WETLAND DETE	ERMINATION DATA FOR	₹M – Western	Mountains, Valleys	, and Coast Regio	n
Project/Site 192		City/County	Callen	0	2.18.1
Applicant/Owner MO	U890		Sizite		
investigator(s) RNULL	5		nip, Range.		
Landform (hillslope, terrace, etc.)	terrace	Local relief (cor	np. Range.		
Subregion (LRR) LECA	te l	cocarrenes (cor		Slop	pe (%)
Soil Map Unit Name (12	7010110		Long.	Datus	m
Are climatic / hydrologic conditions on	the site buoical for this time of w		NWI cla	assification	
Are Vegetation Soil or	£		Are "Normal Circumstant		No <u>V</u>
Are Vegetation Soil oi			(If needed, explain any a		
SUMMARY OF FINDINGS - A	uttach site map showing	sampling po	oint locations, trans	ects, important fe	atures, etc.
Hydrophytic Vegetation Present?	Yes No				
Hydric Soil Present?	YesNo	1	mpled Area	🗸	
Wetland Hydrology Present?	Yes No	within a	Wetland? Yes	No <u>X</u>	
Remarks					
VEGETATION – Use scientific	names of plants				
720C1X11011 = 036 3010110110		Dominant Indic	Sales Demleses Fort		
Tree Stratum (Plot size) <u>% Cover</u>	Species? Sta	Lus Number of Domina		
1			That Are OBL, FA		(A)
2		·	Total Number of D	iominant , I	}
3			Species Across Al	Strata	(B)
4		- Tatal Carra	Percent of Domina		∴ ′
Sapling/Shrub Stratum (Plot size		_ = Total Cover	That Are OBL, FAI	CW, or FAC	<u> </u>
1			Prevalence Index	worksheet:	
2		· 	Total % Cover	of Multiply	Þγ
3				x 1 =	
4			l l	× 2 =	
5	-	= Total Cover		x 3 =	1
Herb Stratum, (Plot size		_ = rotar cover	l <u>-</u>	x4 = x5 =	
Dalonierat	a 25	X FA	W*(1	(A)	
2 P. Carota	<u></u>	<u> </u>	<u> </u>	V·/ <u></u>	\-'-'
3 F. Luck	2) <u> </u>		ndex = B/A =	
4 L. Unlagare	<u> </u>	' <u></u>	7 · · · · · · · · · · · · · · · · · · ·	etation indicators:	
spruduce.	<u> </u>		Dominance Te		
5 A. Carre	500 G	—— <u>‡</u>		dex is \$3.0 Adaptations' (Provide s	onodina
8	ر مرام			narks or on a separate s	
9			Welland Non-\	Vascular Plants	1
10			1 —	ydrophytic Vegetation [®] (
11	مللد	\		c soil and wetland hydro	
	170	= Total Cover	— oe present, unless	disturbed or problemati	
Woody Vine Stratum (Plot size					ļ
1			∺ydrophytic Vegetation	١.	
2			Present?	Yes No X	<u> </u>
% Bare Ground in Herb Stratum		= Total Cover			
Remarks					

OIL roffie Description: (Describe to the depth needed to Depth Matrix Color (moist) % Color (moist) Color (moist) % Color (moist)	Redox Features	Texture Remarks
Depth Matrix Colores	Redox Features	
Colories Colories	1 10 (Texture Remarks Clay OAW
13 10483 3 100°C		Clay loan
SIF IDIPEDA TOUR	过一下二二	
		- Alandano
	410 60%	vary larger
Type. C=Concentration. D=Depletion, RM=Reduced Ma	Itix, CS=Covered or Coated Sand Gra	sins. ² Location: PL=Pore Lining, M=Matrix.
ydric Soil Indicators: (Applicable to all LRRs, unles	s otherwise noted.)	Indicators for Problematic Hydric Solis ³ :
	Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2) Stripped	i Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3) Loamy N	Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
(170109011-041110-11-11	Gleyed Matrix (F2)	
_ Depleted Below Dall Carlos	d Matrix (F3)	Indicators of hydrophytic vegetation and
_ ////	Dark Surface (F6) d Dark Surface (F7)	wetland hydrology must be present.
	Depressions (F8)	unless disturbed or problematic.
testrictive Layer (if present):		
Туре		
Depth (inches):		Hydric Soll Present? Yes No K
YDROLOGY	•	
Vetland Hydrology Indicators: Primary Indicators (minimum of one required: check all t	hat apply)	Secondary Indicators (2 or more required)
1.4.1	ater-Stained Leaves (B9) (except MLF	RA Water-Stained Leaves (B9) (MLRA 1,
_ Sullace Water (A.)	1, 2, 4A, and 4B)	4A, and 4B)
High Water Table (A2)	alt Crust (B11)	Drainage Patterns (B10)
	quatic Invertebrates (B13)	Dry-Sesson Water Table (C2)
449(6) MIGHAS (D.)	ydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C
	xidized Rhizospheres along Living Roo	ots (C3) Geomorphic Position (D2)
Algai Mai or Crust (B4) Po	resence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (85) — R	ecent fron Reduction in Tilled Soils (CE	
Surface Soil Cracks (B6) Si	lunted or Stressed Pishts (D1) (LRR A	A) Reised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagery (B7) O	ther (Explain in Remarks)	Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (B8)		
Field Observations:		
Surface Water Present? Yes No [Depth (inches).	
	Depth (inches):	. Y
V .		
Water Table Present? Yes No	Depth (inches): Wet	tland Hydrology Present? Yes No
Water Table Present? Yes No 15 Saturation Present? Yes No 16	Depth (inches): Wet	
Water Table Present? Yes No 15 Saturation Present? Yes No 16	Depth (inches): Wet	
Water Table Present? Yes No 1 Saturation Present? Yes No 6 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring we	Depth (inches): Wet	
Water Table Present? Yes No 15 Saturation Present? Yes No 16	Depth (inches): Wet	

WETLAND DETER	MINATION DA	TA FORM	- Western Mo	untains, Valleys, and Coast Region
Project/Site PSZ		Cit	y/County PA	CUPUPIT) Sampling Date 8. 18.10
Applicant/Owner Molus	50 00			State Sampling Point TTA
Investigator(s)	ڪ	Se		lange.
Landform (hillstope, terrace, etc.)	DIRACL		ocal relief (concave	convex, none) Slope (%)
Subregian (LRR)	-			•
Soil Map Unit Name.	A B COLAD		(4)	Long: Datum
Are climatic / hydrologic conditions on the	e site typical for thi	s time of year?		
Are Vegetation, Soil, or H			sturbed? Are	e "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or h	lydrology	naturally proble	ematic? (If	needed, explain any answers in Remarks.)
				locations, transects, important features, etc.
SUMMART OF FINDINGS - AL		3.10Wing 0		
Hydrophytic Vegetation Present?	YesN	10 - X -	is the Sample	ed Area
Hydric Soil Present?	Yes N		within a Wetl	and? Yes No
Wetland Hydrology Present?	Yes N	10 <u>~~</u>		
Remarks:				
VEGETATION - Use scientific	names of plan	its.		
	and the second s		Dominant Indicato	
Tree Stratum (Plot size			Species? Status	- Number of Dominant Species That Are OBL, FACW, or FAC(A)
1				_
3				Total Number of Dominant Species Across All Strata (B)
4				Percent of Dominant Species
		:	Total Cover	That Are OBL. FACW, or FAC (A/B)
Sapling/Shrub Stratum (Plot size				Prevalence Index worksheet:
2				Total % Cover of Multiply by
3				OBL species x 1 =
4.				FACW species x 2 =
5				FACIL species 70 x 4 = 200
			= Total Cover	160
Herb Stratum (Piot size	Tronte	50	k FAC	UPL species (A) (B)
000000000000000000000000000000000000000	CotC	- में	X. UPI	
TOCCUO G	Ficienci	2 <u>40</u>	X FPC	Prevalence Index = B/A =
TE FOLLUM	SPP		— Fex	Hydrophytic Vegetation Indicators:
5 FWATHEMU	$\gamma \gamma \omega \alpha \beta$	ر ال	UPC	Dominance Test is >50%
6 VICIA HIESUT	D	_ 10	<u>UP</u>	Prevalence Index is \$3.0° Morphological Adaptations' (Provide supporting
7				data in Remarks or on a separate sheet)
8				Wetland Non-Vascular Plants
9		_		Problematic Hydrophytic Vegetation (Explain)
10				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
11			= Total Cover	De present, unless distance of prosente
Woody Vine Stratum (Plot size				
1				Hydrophytic Vegetation
2				Present? Yes No
N Day Count to Hack Stratum			= Total Cover	
% Bare Ground in Herb Stratum Remarks				

SOIL	•		Sampling Point: TAL
Profile Description: (Describe to the dept	n needed to document the indicator or co	onfirm the absence	of indicators.)
Depth Matrix (inches) Color (moist) %	Redox Features Color (moist) % Type L.	Texture	Remarks
0-17 104B313 1001			UPAM
1519 104833 981.	104856 5:1.		CHYLOPPY
rao iounda sol	7545650		ea-cuay
Type: C=Concentration, D=Depletion, RM= Hydric Soil Indicators: (Applicable to all L Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (If present): Type: Depth (inches):		Indicato	cation: PL=Pore Lining, M=Matrix. ors for Problematic Hydric Solls*: In Muck (A10) I Parent Material (TF2) er (Explain in Remarks) ors of hydrophytic vegetation and and hydrology must be present. its disturbed or problematic. Present? Yes No
HYDROLOGY Wetland Hydrology Indicators:			
Primary Indicators (minimum of one required	check all that apply)	Seco	ndary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (89) (except		Vater-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	1, 2, 4A, and 4B)	_	4A, and 4B)
Saturation (A3)	Salt Crust (B11)	8	Prainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	c	Pry-Season Water Table (C2)
Sediment Deposits (82)	Hydrogen Sulfide Odor (C1)	s	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Oxidized Rhizospheres along Living	ig Roots (C3) G	Seomorphic Position (D2)
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	s	Shallow Aquitard (D3)
Iron Deposits (85)	Recent Iron Reduction in Tilled So	ils (C6) F	AC-Neutral Test (D5)
Surface Soil Cracks (86)	Stunted or Stressed Plants (D1) (L	.RR A) R	Raised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	· _ F	rost-Heave Hummocks (D7)
Sparsely Vegetaled Concave Surface (8	8)		
Field Observations:			
Surface Water Present? Yes N	o Depth (inches)		
Water Table Present? Yes N	o Depth (inches):		
Saturation Present? Yes X N	o Depth (inches):	Wetland Hydrolog	y Present? Yes No <u>k</u>
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspect	ions), if available:	
Remarks WHEL TABLE (20" depth		
į	•		

WETLAND DETE	RMINATION DAT	TA FORM	- Western Mou	ntains, Valleys, and Coast Region	on
Project/Site + 1924		Cit	IV/County RA (VAUAM Sampling Date	TTA2
Applicant/Owner MOU	1500			State Sampling Point	
		Se	ection. Township Rai	nge	
Landform (hillslope, terrace, etc.)				convex, none) Sid	000 (%)
Subregion (LRR).			• .	Long: Date	
Soil Map Unit Name	1 allenia	14)	NWI classification.	
Are climatic / hydrologic conditions on	the stellynical for this	time of year			
Are Vegetation Soil, o			_	Normal Circumstances" present? Yes	No V
Are Vegetation Soil		$\overline{}$		eded, explain any answers in Remarks.)	140
				•	
SUMMARY OF FINDINGS - A	Attach site map s	howing s	ampling point is	ocations, transects, important fo	eatures, etc
Hydrophytic Vegetation Present?	Yes No	X	la sha 8	* 22 L	
Hydric Soil Present?	Yes No	~	is the Sampled within a Wetlan	V	
Wetland Hydrology Present?	Yes No	<u>X</u>		143140	-
Remarks					•
VECETATION No pointif	- names of plant		· · · · · · · · · · · · · · · · · · ·		
VEGETATION – Use scientifi			Oppinget Indicates	Dominance Test worksheet:	
Tree Stratum (Plot size			Dominant Indicator Species? Status	Number of Deminent Species	
1				That Are OBL, FACW, or FAC.	(A)
2				Total Number of Dominant	2
3				Species Across All Strata	<u>Z(B)</u>
4				Percent of Dominant Species	- 1
Sapling/Shrub Stratum (Plot size	1	=	Total Cover	That Are OBL, FACW, or FAC	<u>(A/8)</u>
1				Prevalence Index worksheet:	
2				Total % Cover of: Multip	oly by
3					
4				FACW species x 2 = FAC species x 3 =	7
5			T-1-1-0	FAC species	00
Herb Stratum (Plot size)	=	Total Cover	UPL species 35 x 5 = 1	70
TESTUCA RUBBA		20_	X FAC.	Column Totals 100 (A)	(B)
2 DAUCUS LABOTE		<u> 20</u> -	X UPL	2	8
3 HUDOCHACIUS LA	DICATA	<u> - 64</u>	<u>+19C</u>	Prevalence Index = B/A =	
· Through Sp	Ρ	15-	—— 1	Hydrophytic Vegetation Indicators:	
5 YLAM HED LATUE	DUTH	12 -		Dominance Test is >50% Prevalence Index is ≤3.01	
· wayna a managara	MILARE_	72		Morphological Adaptations (Provid	e supporting
7				data in Remarks or on a separat	le sheet)
8				Wetland Non-Vascular Plants	
9				Problematic Hydrophytic Vegetation	
11				Indicators of hydric soil and wetland hy be present, unless disturbed or problem	
		<u> </u>	Total Cover	De present, unless diatored of problem	
Woody Vine Stratum (Plot size					
1				Hydrophytic Vegetation	
2			T-1-1 C-1	Present? Yes No	<u> </u>
% Bare Ground in Herb Stratum			Total Cover	į	
Remarks					

Depth Matrix (inches) Color (moist) 9	Redox Features Color (moist) % Type Loc2	Texture Remarks
h 10 minulated -	- navalta let	
0-10 10AKJ12 -	- 104b-110-1-10	
Type: C=Concentration, D=Depletion	RM=Reduced Matrix, CS=Covered or Coated Sand G	rains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Solis ³ :
	to all LRRs, unless otherwise noted.) Sandy Redox (S5)	2 cm Muck (A10)
Histosol (A1) Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A1	1) Depleted Matrix (F3)	•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present):		
Type:	 	Hydric Soll Present? Yes No X
Depth (inches):		Hydric Son Flesent: 145 NO _A
Clay layer@	24" front 1 in Trofile.	into 20" W/more
Clay layer @ No real signi YDROLOGY malle	24" ficant 1 in peofule 1 10.	intel 20" w/mare
No real Signi YDROLOGY MOLLIC Wetland Hydrology Indicators:	ficant 1 in peofule 1	
Primary Indicators (minimum of one re	ficant a in peofule (Secondary Indicators (2 or more required)
Primary Indicators (Minimum of one re	Frank 1 in Peofule (D). Equired: check all that apply) Water-Stained Leaves (B9) (except ML)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 2
Primary Indicators (minimum of one resulting Water Table (A2)	equired; check all that apply) Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
Primary Indicators (Minimum of one result of State (Mark) Surface Water (A1) High Water Table (A2) Saturation (A3)	equired; check all that apply) Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10)
Primary Indicators (minimum of one re Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	equired; check all that apply) Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Secondary Indicators (2 or more required) _RA Water-Stained Leaves (B9) (MLRA 1, 2
YDROLOGY MOLLAGE Primary Indicators (minimum of one re Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	equired; check all that apply) Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Sall Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) _RA
YDROLOGY MOUSE Primary Indicators (minimum of one re Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	equired; check all that apply) Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Sall Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) _RA Water-Stained Leaves (B9) (MLRA 1, 2
Primary Indicators: Primary Indicators (minimum of one re Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	equired; check all that apply) Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro	Secondary Indicators (2 or more required) RA
YDROLOGY MOUNT OF THE SURFINE SURFINE TABLE (A2) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	equired: check all that apply) Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required) RA
Primary Indicators (minimum of one re Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	equired; check all that apply) Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR)	Secondary Indicators (2 or more required) RA
Primary Indicators (minimum of one results) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	equired; check all that apply) Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soits (C Stunted or Stressed Plants (D1) (LRR /	Secondary Indicators (2 or more required) RA
Primary Indicators: Primary Indicators (minimum of one results) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Image Sparsely Vegetated Concave Sur	equired; check all that apply) Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soits (C Stunted or Stressed Plants (D1) (LRR /	Secondary Indicators (2 or more required) RA
YDROLOGY Model Wetland Hydrology Indicators: Primary Indicators (minimum of one re Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Image	equired; check all that apply) Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soits (C Stunted or Stressed Plants (D1) (LRR /	Secondary Indicators (2 or more required) RA
Primary Indicators (minimum of one results) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Image Sparsely Vegetated Concave Surfield Observations: Surface Water Present?	equired; check all that apply) Water-Stained Leaves (89) (except ML 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR / C) ery (87) Other (Explain in Remarks)	Secondary Indicators (2 or more required) RA
Primary Indicators (minimum of one results) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Image Sparsely Vegetated Concave Surfield Observations: Surface Water Present? Water Table Present? Yes Saturation Present?	equired: check all that apply) Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C Stunted or Stressed Plants (D1) (LRR A ery (B7) Other (Explain in Remarks) face (B8) Depth (inches): No Depth (inches):	Secondary Indicators (2 or more required) RA
Primary Indicators (minimum of one results) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Image Sparsely Vegetated Concave Surfield Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	equired; check all that apply) Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C Stunted or Stressed Plants (D1) (LRR interest) ery (B7) Other (Explain in Remarks) face (B8) Depth (inches):	Secondary Indicators (2 or more required) LRA
Primary Indicators (minimum of one results) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Image Sparsely Vegetated Concave Surfield Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gause)	water-Stained Leaves (89) (except ML 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roman State (100) Recent Iron Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR 1) Find (88) No Depth (inches): No Depth (inches): We	Secondary Indicators (2 or more required) LRA
Primary Indicators (minimum of one results) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Image Sparsely Vegetated Concave Surfield Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	water-Stained Leaves (89) (except ML 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roman State (100) Recent Iron Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR 1) Find (88) No Depth (inches): No Depth (inches): We	Secondary Indicators (2 or more required) LRA

WETLAND DETERMINAT	TION DATA FORM -	Western Moun	itains, Valleys, an	d Coast Region
Project/Site P27	City/0	County: PAC	AUAM	Sampling Date TTA3
Applicant/Owner. Would Too				Sampling Point:
Investigator(s)	Sect			
Landform (hillstope, terrace, etc.).				Slope (%)
			,	Datum
			BUAN otnerifi	cation. NOUL
Soil Map Unit Name		V V	(If no, explain in F	Casion. 1 Certain
Are climatic / hydrologic conditions on the site type	orcal for this time of year?	res No		
Are Vegetation, Soil, or Hydrology				present? Yes No K
Are Vegetation Soil, or 'dydrology	y naturally problem	iatic? (If nee	ided, explain any answe	ers in Remarks.)
SUMMARY OF FINDINGS - Attach si	ite map showing sar	npling point lo	cations, transects	s, important features, etc.
Hydric Soil Present? Yes _	No X No X	is the Sampled A	Area 17 Yes	No
Remarks.		!		
VEGETATION - Use scientific names	of plants.			
Tree Stratum (Plot size)		minant Indicator ecies? Status	Dominance Test work	
1		1	Number of Dominant S That Are OBL: FACW,	
2		,	Total Number of Domin	<u> </u>
3		1	Species Across All Str	
Sapling/Shrub Stratum (Plot size	= To		Percent of Dominant S That Are OBL: FACW,	
Saping/Shrub Stratum (Flot size		-	Prevalence Index wo	rksheet:
2			Total % Cover of	Multiply by.
3			OBL species	x1=
4.			FACW species	x2 = 10
5		i	FAC species	
	= T	otal Cover	FACU species	5 ×4 = 015
Herb Stratum (Piot size	LEACE 30	x NPC	UPL species	×5= <u>-110</u>
DOUNTS CAROTA	100 X	UPI	Column Totals:	<u> </u>
3 HOURS LANGUES	30	X FAC	Prevalence Inde	x = B/A = 4
Tanuaruus 800	<u> </u>	FPCW	Hydrophytic Vegetat	ion Indicators:
5 TVAFOLLUM GOO			Dominance Test i	
6			Prevalence Index	
7		1		aptations' (Provide supporting ks or on a separate sheet)
8			Wetland Non-Vas	
9			Problematic Hydro	ophytic Vegetation* (Explain)
10				oil and wetland hydrology must
11		otal Cover	be present, unless dis	turbed or problematic.
Woody Vine Stratum (Plot size				
1			Hydrophytic	
2			Vegetation Present? Y	es No.X
~1.	= To	otal Cover		
% Bare Ground in Herb Stratum				
rgnatt5				

		+	1. 2
Sampling	Point:	<u>/ بلد</u>	<u>ح-۲</u>

rofile Description: (Describe	to the depth n	eeded to docum	ent the ir	ndicator (or confirm	the absence	of indicators.)
Pepth Matrix	•		Features				
inches) Color (moist)	%	Color (moist)	%	Type	Loc²	Texture	Remarks
	- 1:2-1						Timo
1/11	> 7007+-						(JAM)
		سدا م					
TI MASIA	707.	17115416	30	1.		-	(JAU WAM)
Tr mation	- 12.	1004-11-		·			
ALAIT LATIOT PO	ATTE M	MASALI	TATIC	$\overline{\sim}$			
MAN MANAT		modul	MIN	<u> </u>			
\						•	The second secon
Type: C=Concentration, D=De	pletion, RM=Re	duced Matrix, CS	=Covered	or Coate	d Sand G		ration: PL=Pore Lining, M=Matrix. rs for Problematic Hydric Solis':
lydric Soil Indicators: (Appl	icable to all LR			BQ.)			n Muck (A10)
Histosol (A1)		Sandy Redox (S Stripped Matrix					Parent Material (TF2)
Histic Epipedon (A2) Black Histic (A3)		Loamy Mucky N		i) (excep	MLRA 1		er (Explain in Remarks)
Hydrogen Sulfide (A4)		Loamy Gleyed					
Depleted Below Dark Surfa	ice (A11)	Depleted Matrix	(F3)			1	
Thick Dark Surface (A12)	_	Redox Dark Sur					ors of hydrophytic vegetation and and and and and and and and and an
_ Sandy Mucky Mineral (S1)	_	Depleted Dark S Redox Depress		• ()			ss disturbed or problematic.
Sandy Gleyed Matrix (S4) testrictive Layer (if present):		_ Redux Depress	10118 (1 0)				
							\ -
Type: Depth (inches):						Hydric Soli	Present? Yes No
Debili (inches).							
Remarks							
YDROLOGY	\$:						
YDROLOGY Wetland Hydrology Indicator		check all that appl	y)				indary Indicators (2 or more required)
YDROLOGY		heck all that appl		ves (B9) (except MI		Water-Stained Leaves (B9) (MLRA 1, 2,
YDROLOGY Netland Hydrology Indicator Primary Indicators (minimum o		Water-Sta			axcept MI	\	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
YDROLOGY Netland Hydrology Indicator Primary Indicators (minimum o Surface Water (A1)		Water-Sta 1, 2, 4/ Salt Crust	ined Leav 4. and 45 (B11)	1)	axcept MI	_RA \	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
YDROLOGY Wetland Hydrology Indicator Primary Indicators (minimum o Surface Water (A1) High Water Table (A2)		Water-Sta 1, 2, 4/ Salt Crust Aquatic In	ined Leav A, and 48 (B11) vertebrati	l) es (B13)	except Mi	\ (Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
YDROLOGY Netland Hydrology Indicator Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)		Water-Sta 1, 2, 4/ Salt Crust Aquatic In Hydrogen	ined Leav A, and 4B (B11) vertebrate Sulfide O	9) es (B13) 9dor (C1)		\ \ \ \	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9
YDROLOGY Netland Hydrology Indicator Primary Indicators (minimum of Surface Water (A1)) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)		Water-Sta 1, 2, 4/ Salt Crust Aquatic In Hydrogen Oxidized I	ined Leav A, and 48 (811) vertebrate Sulfide O Rhizosphe	l) es (B13) dor (C1) eres along	Living Ro		Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2)
YDROLOGY Netland Hydrology Indicator Primary Indicators (minimum of the control		Water-Sta 1, 2, 4/ Salt Crust Aquatic In Hydrogen Oxidized I Presence	ined Leav A, and 4B (B11) vertebrate Sulfide O Rhizosphe of Reduc	i) es (B13) dor (C1) eres along ed Iron (C	Living Ro		Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3)
YDROLOGY Netland Hydrology Indicator Primary Indicators (minimum of the second of th		Water-Sta 1, 2, 4/ Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Iro	ined Leav A, and 4B (B11) vertebrate Sulfide O Rhizosphe of Reduc on Reduct	l) es (B13) ldor (C1) eres along ed Iron (C tion in Till) Living Ro (4) ed Soils (0		Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROLOGY Netland Hydrology Indicator Primary Indicators (minimum of the second of th	f one required, c	Water-Sta 1, 2, 4/ Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Iro Stunted o	ined Leav A, and 4B (B11) vertebrate Sulfide O Rhizosphe of Reduct on Reduct r Stresses	es (B13) dor (C1) eres along ed Iron (C tion in Till d Plants () Living Ro (4) ed Soils (0		Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3)
YDROLOGY Netland Hydrology Indicator Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeric	f one required, c	Water-Sta 1, 2, 4/ Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Irc Stunted o Other (Ex	ined Leav A, and 4B (B11) vertebrate Sulfide O Rhizosphe of Reduct on Reduct r Stresses	es (B13) dor (C1) eres along ed Iron (C tion in Till d Plants () Living Ro (4) ed Soils (0		Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROLOGY Netland Hydrology Indicator Primary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeric Sparsely Vegetated Conci	f one required, c	Water-Sta 1, 2, 4/ Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Irc Stunted o Other (Ex	ined Leav A, and 4B (B11) vertebrate Sulfide O Rhizosphe of Reduct on Reduct r Stresses	es (B13) dor (C1) eres along ed Iron (C tion in Till d Plants () Living Ro (4) ed Soils (0		Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROLOGY Netland Hydrology Indicator Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Itron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeric Sparsely Vegetated Concilination	f one required. (al Imagery (B7) ave Surface (B8	Water-Sta 1, 2, 4/ Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Iro Stunted o Other (Ex	ined Leav A, and 4B (B11) vertebrate Sulfide O Rhizosphe of Reduce on Reduce r Stressed plain in R	es (B13) odor (C1) eres along ed Iron (C tion in Till d Plants (i emarks)) Living Ro (4) ed Soils (0		Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROLOGY Netland Hydrology Indicator Primary Indicators (minimum of Surface Water (A1)) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeric Sparsely Vegetated Concilinations: Surface Water Present?	f one required. (al Imagery (B7) ave Surface (B8	Water-Sta 1, 2, 4/ Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Irc Stunted o Other (Ex	ined Leav A, and 4B (B11) vertebrate Sulfide O Rhizosphe of Reduce on Reduce r Stressed plain in R	es (B13) odor (C1) eres along ed Iron (C tion in Till d Plants (i emarks)	Living Ro (4) ed Soils (C O1) (LRR	C8)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLOGY Netland Hydrology Indicator Primary Indicators (minimum of Surface Water (A1)) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeric Sparsely Vegetated Concilination Surface Water Present? Water Table Present?	al Imagery (B7) ave Surface (B8 Yes No	Water-Sta 1, 2, 4/ Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Iro Stunted o Other (Ex	ined Leav A, and 4B (B11) vertebrate Sulfide O Rhizosphe of Reduce on Reduce r Stresses plain in R	es (B13) odor (C1) eres along ed Iron (C tion in Till d Plants (i emarks)	Living Ro (4) ed Soils (C O1) (LRR	C8)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROLOGY Netland Hydrology Indicator Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeric Sparsely Vegetated Concertield Observations: Surface Water Present?	al Imagery (B7) ave Surface (B8 Yes No Yes No	Water-Sta 1, 2, 4/ Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Irc Stunted o Other (Ex	ined Leave, and 4B (B11) vertebrate Sulfide O Rhizosphe of Reduce on Reduce r Stressed plain in R	es (B13) obor (C1) eres along ed Iron (C tion in Till d Plants (i emarks)	Living Ro	coots (C3) coots (C3) coots (C3) coots (C3) coots (C3) coots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLOGY Netland Hydrology Indicator Primary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) tron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeric Sparsely Vegetated Concitive (B4) Field Observations: Surface Water Present? Water Table Present?	al Imagery (B7) ave Surface (B8 Yes No Yes No	Water-Sta 1, 2, 4/ Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Irc Stunted o Other (Ex	ined Leave, and 4B (B11) vertebrate Sulfide O Rhizosphe of Reduce on Reduce r Stressed plain in R	es (B13) obor (C1) eres along ed Iron (C tion in Till d Plants (i emarks)	Living Ro	coots (C3) coots (C3) coots (C3) coots (C3) coots (C3) coots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLOGY Netland Hydrology Indicator Primary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeric Sparsely Vegetated Concified Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (stre-	al Imagery (B7) ave Surface (B8 Yes No Yes No	Water-Sta 1, 2, 4/ Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Irc Stunted o Other (Ex	ined Leave, and 4B (B11) vertebrate Sulfide O Rhizosphe of Reduce on Reduce r Stressed plain in R	es (B13) obor (C1) eres along ed Iron (C tion in Till d Plants (i emarks)	Living Ro	coots (C3) coots (C3) coots (C3) coots (C3) coots (C3) coots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLOGY Netland Hydrology Indicator Primary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeric Sparsely Vegetated Concified Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (stre-	al Imagery (B7) ave Surface (B8 Yes No Yes No	Water-Sta 1, 2, 4/ Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Irc Stunted o Other (Ex	ined Leave, and 4B (B11) vertebrate Sulfide O Rhizosphe of Reduce on Reduce r Stressed plain in R	es (B13) obor (C1) eres along ed Iron (C tion in Till d Plants (i emarks)	Living Ro	coots (C3) coots (C3) coots (C3) coots (C3) coots (C3) coots (C3)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION DATA	FORM - W	Vestern Mour	ntains, Valleys, and	d Coast Region
Project/Site ADZ	City/Co	ounty:PA (C	LAUAM	Sampling Date 11A4
Applicant/Owner. Molecuson				Sampling Point 3-18-10
2	Section		nge	
				Slope (%)
			,	Datum.
Soil Map Unit Name				ation.
Are climatic / hydrologic conditions on the site typical for this time	of year? Ye			
Are Vegetation Soil or Hydrology signific				present? Yes No _K
Are Vegetation Soil or Hydrology natura			eded, explain any answe	
SUMMARY OF FINDINGS - Attach site map sho	wing sam	pling point lo	ocations, transects	, important features, etc.
Hydrophytic Vegetation Present? YesNo	X			
Hydric Soil Present? Yes No		is the Sampled		\
Wetland Hydrology Present? Yes No	X	within a Wetlan	d7 Tes	No
Remarks:				· · · · · · · · · · · · · · · · · · ·
VEGETATION - Use scientific names of plants.				- Commence of the commence of
		inant Indicator ies? Status	Dominance Test work	
1			Number of Dominant S That Are OBL, FACW.	
2				
3.			Total Number of Domir Species Across All Stra	
4			Percent of Dominant S	onc.ec
<u></u>	= Tota	al Cover	That Are OBL, FACW,	
Sapting/Shrub Stratum (Plot size)			Prevalence Index wol	kehoat
1			Total % Cover of	
3			OBL species	x1=
4			FACW species	x2= 10
5			FAC species	Ø x3 = 15
	= Tot	al Cover	FACU species	15 ×4 = 17.0
Herb Stratum (Piot size	to V	ı TD/	UPL species	20 x5 = 20
TENCAMPEMUM VULARE	$\Leftrightarrow \Leftrightarrow$	- FOUL	Column Totals 115	$\frac{1}{2}$
2 MANA CORESTO	$\text{\tiny $\!$	- HELL	Prevalence Inde	= B/A =
3 1000 000	おす	THÝ.	Hydrophytic Vegetati	
JARRY PILM OF LACAS		FACIA	Dominance Test is	
PANUNCULUS SOP	<u> 5 </u>	fACu	Prevalence Index	
7			Morphological Ada	aptations ¹ (Provide supporting so or on a separate sheet)
8			Wetland Non-Vas	•
9				ophytic Vegetation (Explain)
10			1 '	oil and wetland hydrology must
11	10 -		be present, unless dis	turbed or problematic.
	= Told	al Cover	_	
Woody Vine Stratum (Plot size)			Hydrophytic	
1			14	es No <u>X</u>
201	= Tota	al Cover	Present? Y	62 NO
% Bare Ground in Herb Stratum 201.			<u></u>	
Remarks				

Sampling Point	ارا سد
Sampling Point	TLAS

_	_		
c	П	ı	
0	u	ı	_

Profile Description: (Describe to the dep	th needed to document the Indicator or confire		i ilidicatora.)
Depth Matrix	Redox Features	T	Remarks
(inches) Color (moist) %	Color (maist) % Type Loc2	Texture	Remarks
- 122 tell/215 1152	 		1.30-04
1-12 11/10/10 100 100 100 100 100 100 100 10	<u> </u>		WHY!
	4 - 1		· · · · · · · · · · · · · · · · · · ·
212111111111111111111111111111111111111	1016416 401.	- -	TURCU LDAM
The tolerans	- 16/1-1116		00.0
~ 01 · · · · · · · · · · · · · · · · · · ·			- OLA T
10.27"			
·		. <u></u>	<u>-</u>
Type: C=Concentration D=Depletion. RM	Reduced Matrix, CS=Covered or Coated Sand G	rains. ² Loc	ation: PL=Pore Lining, M=Matrix.
lydric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)	Indicator	s for Problematic Hydric Solls':
Histosol (A1)	Sandy Redox (S5)	2 cm	Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red	Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1) Othe	r (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)		
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	3	
Thick Dark Surface (A12)	Redox Dark Surface (F6) Depleted Dark Surface (F7)		s of hydrophytic vegetation and ad hydrology must be present.
Sandy Mucky Mineral (S1)	Redox Depressions (F8)		a disturbed or problematic.
Sandy Gleyed Matrix (S4) testrictive Layer (if present):	Neos Deplessions (1 o)		distances of productions.
Type:			_
Depth (inches).		Hydric Soll	Present? Yes No X
Remarks.		1.1,4.10.00	100
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Special Cover State Sampling Point IAS	Project/Site: A3Z	(City/County: PA/	101100 some 2.18.1
Section. Township, Range Local relief (concave convex, none): Slope (%) Lotherspon (LRR) Lotherspon (LRR) Long NWI classification NWI class	Applicant/Owner MORUSO			· · · · · · · · · · · · · · · · · · ·
androim (hillslope, lerrace, etc.) Local relief (concave, convex, none): Slope (%) Datum Long: Doninamic (LRR: Long: N/W classification. N/W classif	α			· .
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NW classification. Net climate/ hydrologic conditions on the site typical for this time of year? Yes				
re climatic / hydrologic conditions on the ste hybical for his time of year? Yes	3 4 1 \			
re Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No Key Vegetation Soil or Hydrology naturally problemate? ((Ineeded, explain any answers in Remarks.) FUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present of Dominant Species That Are OBL FACW, or FAC (A) (A) (B) Prevalence Index worksheet: Total Scorer of Hydrological Hydrology Present (A) (B) Prevalence Index Worksheet: Total Scorer of Hydrological Adaptations (Provide supporting Health Hydrology Prevalence Index is \$3.0 (A)	,			
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Remarks Court Cou	<u> </u>		within a Wetlar	nd? Yes No
### Absolute Dominant Indicator Species Status Dominant Species That Are OBL, FACW, or FAC. (A) Total Number of Dominant Species That Are OBL, FACW, or FAC. (A) Total Number of Dominant Species That Are OBL, FACW, or FAC. (A) Total Number of Dominant Species That Are OBL, FACW, or FAC. (A) Total Number of Dominant Species That Are OBL, FACW, or FAC. (A) Total Number of Dominant Species That Are OBL, FACW, or FAC. (A) Total Number of Dominant Species That Are OBL, FACW, or FAC. (A) Total Number of Dominant Species That Are OBL, FACW, or FAC. (A) Total Number		<u> </u>		
Absolute % Cover Dominant Indicator Species Status Species Spec	Remarks.			
Absolute				
Tree Stratum (Plot size	VEGETATION – Use scientific names of plan	nts.		
That Are OBL, FACW, or FAC. (A) Total Number of Dominant Species Across All Strata (B) Percent of Dominant Species That Are OBL, FACW, or FAC. (A) Saping/Shrub Stratum (Plot size: 1 Prevalence Index worksheet: Total % Cover of: Multiply by OBL species X 1 = FACW species X 1 = FACW species X 3 = OD FAC species X 3 = OD FACU species X 3 = OD FACU species X 3 = OD FACU species X 4 = OD FACU species Y 4 = OD	CHAIN MANAGES - C. AND MANAGES - CHAIRMAN SECURITION - A STATE OF CONTRACT MANAGEMENT AND THE CHAIRMAN AND CH			Dominance Test worksheet:
Total Number of Dominant Species Across All Strata (B) Percent of Dominant Species That Are OBL FACW, or FAC				
Septing/Shrub Stratum (Plot size:) Sapling/Shrub Stratum (Plot size:) Prevalence Index worksheet: Total % Cover of Multiply by OBL species				That Are OBL, FACW, or FAC. (A)
Percent of Dominant Species That Are OBL, FACW, or FAC Prevalence Index worksheet: Total % Cover of: Multiply by				
Sapling/Shrub Stratum (Plot size:				
Prevalence index worksheet: Total % Cover of: Multiply by. OBL species			= Total Cover	Percent of Dominant Species That Are OBL_FACW, or FAC: (A/B)
Total % Cover of:				
OBL species				
FACW species S x 2 = 10 FAC species 20 x 3 = 10 FACU species 10 x 4 = 10 FACU species 10 x 4 = 10 FACU species 10 x 4 = 10 FACU species 10 x 5 = 4 FACU species 10 x 4 = 10 FACU species 10 x 5 = 4 FACU species 10 x 4 = 10 FACU species 10 x 5 = 10 FACU spe				
FAC species	_			<u> </u>
Herb Stratum (Plot size	5.			TAC Species
Column Totals:			= Total Cover	
Prevalence Index = B/A = 4.8 Prevalence Index = B/A = 4.8 Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is \$3.0' Prevalence Index is \$3.0' Prevalence Index is \$3.0' Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Woody Vine Stratum (Plot size		40	X ITPI	
Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.0' Prevalence Index is ≥50%	TO MALE DOMONIO	30	Y IPI	. 0
Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is \$3.0¹ Provide Supporting Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants' Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Woody Vine Stratum (Plot size) Bare Ground in Herb Stratum	11/1/2/27 11/2/24	30	V OP	Prevalence Index = B/A = 4.5
Prevalence Index is \$3.0¹ Prevalence Index is \$3.0¹ Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants' Problematic Hydrophytic Vegetation' (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Woody Vine Stratum (Plot size) Hydrophytic Vegetation Present? Yes No	4 HUDICHAETES PAUCATA	15	-FAC	
Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants' Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Woody Vine Stratum (Plot size) #ydrophytic Vegetation Vegetation Present? Yes No No	FLANTED LANCEDIATA	<u> </u>		<u> </u>
data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Woody Vine Stratum (Plot size) Hydrophytic Vegetation Present? Yes No	DACTULE STOMEGATH	ــــــــــــــــــــــــــــــــــــــ	FECU	<u></u>
Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Woody Vine Stratum (Plot size) Hydrophytic Vegetation Present? Yes No	rauncuus app	- 2 -	t <u>tcu</u>	
Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Woody Vine Stratum (Plot size) Hydrophytic Vegetation Present? Yes No	8 THEOLIUM SPP	- 		,
Total Cover Hydrophytic				
Woody Vine Stratum (Plot size) 1				
Moody Vine Stratum (Plot size) 1	11	THO	= Total Cover	be present, unless disturbed or problematic.
2	Woody Vine Stratum (Plot size)			
2=.Total Cover Present? YesNo	1		<u> </u>	
% Bare Ground in Herb Stratum 56= Total Cover Remarks:				Present? Yes No
Remarks:	% Bare Ground in Herb Stratum 5%.		=.Total Cover	
	Remarks:			1

Profile Description: (Describe to t	ne depth needed to document the indicator or c		e of mulcators./
Depth <u>Matrix</u>	Redox Features		Pamadia.
inches) Color (moist)	% Color (moist) % Type L	_oc² Texture	Remarks
			
10 male -			- 105-0
1-12 100/h213	<u> </u>		WAY 1
714 111492	101. ISUP516 301.		Ciau laban
<u> </u>	12. 100 CT CT		
			
			
Type: C=Concentration, D=Depletion	on, RM=Reduced Matrix, CS=Covered or Coated S	Sand Grains. 2L	ocation: PL=Pore Lining, M=Matrix.
lydric Soil Indicators: (Applicable	to all LRRs, unless otherwise noted.)		tors for Problematic Hydric Solis ³ :
Histosol (A1)	Sandy Redox (S5)		cm Muck (A10) ed Parent Material (TF2)
Histic Epipedon (A2)	Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except Mi		ther (Explain in Remarks)
Black Histic (A3) Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	O	tile (Explain in Normana)
Depleted Below Dark Surface (A			
Thick Dark Surface (A12)	Redox Dark Surface (F6)	³ Indica	ators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)		tland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	un	less disturbed or problematic.
Restrictive Layer (if present):			
Type:			1
,, <u></u>			- II Marana Ala Van Na V
Depth (inches):		Hydric S	ofl Present? Yes No
Depth (inches):		Hydric S	ofi Present? Yes No
Depth (inches):Remarks YDROLOGY Wetland Hydrology Indicators:			
Depth (inches):Remarks YDROLOGY Wetland Hydrology Indicators:	required, check all that apply)	Se	condary Indicators (2 or more required)
Depth (inches):Remarks YDROLOGY Wetland Hydrology Indicators:	required; check all that apply) Water-Stained Leaves (B9) (exc	Se	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1,
Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2)	required; check all that apply) Water-Stained Leaves (B9) (exc 1, 2, 4A, and 4B)	Se	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3)	required, check all that apply) Water-Stained Leaves (B9) (exc. 1, 2, 4A, and 4B) Salt Crust (B11)	Se	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10)
Permarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	required; check all that apply) Water-Stained Leaves (B9) (exceeding to the state of the s	Se	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Permarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	required, check all that apply) Water-Stained Leaves (B9) (exceeding to the control of the cont	Seept MLRA	condary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 4A, and 4B) Drainage Patterns (810) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C
Depth (inches): Proposition (Inches): YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	required; check all that apply) Water-Stained Leaves (B9) (exc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv	Seept MLRA	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C
Pepth (inches): YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	required; check all that apply) — Water-Stained Leaves (B9) (exc. 1, 2, 4A, and 4B) — Salt Crust (B11) — Aqualic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Livertebrates (Inc. 1)	ept MLRA	condary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 4A, and 4B) Drainage Patterns (810) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3)
Pepth (inches): Primarks. YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	required; check all that apply) Water-Stained Leaves (B9) (exc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S	ept MLRA	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Pepth (inches): Permarks. YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	required; check all that apply) Water-Stained Leaves (B9) (exert 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1)	ept MLRA	condary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 4A, and 4B) Drainage Patterns (810) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3)
Permarks YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Ima	required, check all that apply) Water-Stained Leaves (B9) (exc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1)	ept MLRA	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Caeomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Ima Sparsely Vegetaled Concave S	required, check all that apply) Water-Stained Leaves (B9) (exc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1)	ept MLRA	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Caeomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Ima Sparsely Vegetaled Concave Sirield Observations:	required, check all that apply) Water-Stained Leaves (B9) (exc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1)	ept MLRA	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Caeomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Ima Sparsely Vegetaled Concave S Field Observations: Surface Water Present? Yes	required, check all that apply) Water-Stained Leaves (B9) (excellent 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Live Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) Igery (B7) Other (Explain in Remarks) urface (B8)	ept MLRA	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Caeomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Permarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Ima Sparsely Vegetated Concave S Field Observations: Surface Water Present? Ves	water-Stained Leaves (B9) (exc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv. Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) Igery (B7) Other (Explain in Remarks) urface (B8) No Depth (inches).	ept MLRA	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Ima Sparsely Vegetaled Concave Signature Water Present? Ves Saturation Present? Yes Saturation Present? Yes	required; check all that apply) Water-Stained Leaves (B9) (excellent 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) Igery (B7) Other (Explain in Remarks) urface (B8) No Depth (inches): No Depth (inches):	ept MLRA ving Roots (C3) Soils (C6) (LRR A) Wetland Hydrol	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Site of	required; check all that apply) Water-Stained Leaves (B9) (exc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv. Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) gery (B7) Other (Explain in Remarks) urface (B8) No Depth (inches):	ept MLRA ving Roots (C3) Soils (C6) (LRR A) Wetland Hydrol	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Primary Indicators: Primary Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Site of Concav	required; check all that apply) Water-Stained Leaves (B9) (excellent 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) Igery (B7) Other (Explain in Remarks) urface (B8) No Depth (inches): No Depth (inches):	ept MLRA ving Roots (C3) Soils (C6) (LRR A) Wetland Hydrol	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Depth (inches): Remarks YDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Ima Sparsely Vegetaled Concave Sield Observations: Surface Water Present? Nater Table Present? Yes Saturation Present? Yes	required; check all that apply) Water-Stained Leaves (B9) (excellent 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) Igery (B7) Other (Explain in Remarks) urface (B8) No Depth (inches): No Depth (inches):	ept MLRA ving Roots (C3) Soils (C6) (LRR A) Wetland Hydrol	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINA	ATION DATA FORM -	Western Moun	tains, Valleys, and	d Coast Region
Project/Sile AGZ EH.	City/	County CLA	Uam	Sampling Date IIA(
Applicant/Owner MO(1/50)		-		Sampling Point. 3-18:1
A	Sec			
				Slope (%)
Subregion (LRR)	Lat	·	Long	Datum.
Soil Map Unit Name (12) Ca	lleur		NWI classific	cation.
Are climatic / hydrologic conditions on the site ty	ypical for this time of year?	Yes K No	(If no, exptain in F	Remarks)
Are Vegetation Soil, or Hydrolo		_		present? Yes No K
Are Vegetation Soil or Hydrolo			ded, explain any answe	
SUMMARY OF FINDINGS - Attach			cations transacts	important features etc
	1/	The state of		i, important realties, etc.
1	No	is the Sampled A	krea .	1.
l .	No	within a Wetland	1? Yes	No <u>X</u>
Remarks.		_		
VEGETATION - Use scientific name	es of plants.			
			Dominance Test work	(sheet:
Tree Stratum (Piot size)			Number of Dominant S That Are OBL, FACW,	•
2				
3			Total Number of Domin Species Across All Stra	/1
4		Į.	•	
	= T		Percent of Dominant S That Are OBL, FACW,	
Sapling/Shrub Stratum (Plot size		<u> </u> -	Prevalence index wor	-bahaat
1			Total % Cover of	
3		1	OBL species	
4			FACW species	x 2 =
5			FAC species	2 x3 = <u>60</u>
	= T		FACU species	2 x4= 140
Herb Stratum (Piot size	care 50%)	7 IIVI I	UPL species	2 x5 : 430
DAUCUS CAPATA	30	V IIDI	Column Totals	(A) (B)
3 PLANTAGO VANCEOL	ATA 35 3	L FACU	Prevalence Index	c = B/A = 4.4
4 FEGULA RUBBA	20	K 50C	Hydrophytic Vegetati	on Indicators:
5 TARAVACUM DIFICION	10 _	- FACU	Dominance Test is	
6 VICIA DIRSUTA	<u> </u>	UPL_	Prevalence Index	
			Morphological Ada data in Remark	aptations1 (Provide supporting ts or on a separate sheet)
8			Welland Non-Vasc	•
9				ophytic Vegetation (Explain)
10				and wetland hydrology must
11	140 = 10	otal Cover	be present, unless dist	urbed or problematic
Woody Vine Stratum (Plot size	-+	55.61		
1			Hydrophytic	•
2			Vegetation Present? Ye	es No <u>X</u>
A Bara Crawed in Hart Stratum 100.	= To	otal Cover		
% Bare Ground in Herb Stratum 10				

rofile Description: (Describe to the d			
Depth <u>Matrix</u> inches) Color (moist) %	Redox Features Color (moist) % Type Loc²	Texture	Remarks
Color (moist)		<u> </u>	Nemarks
	<u></u>		1,000
7-15 100/61515 100) l:		_WHI!
a la caracta da	d manager		AT ALL DOOL
J-12 MAROID RO	1. 10000 121		TAMATAMIT
	1046916 51.		
18" 100003	1.11716516501		-CAN-CIAU
the make she we	1 1000		
ype: C=Concentration, D=Depletion, Here Soil Indicators: (Applicable to	tM≃Reduced Matrix, CS=Covered or Coated Sand Gr		cation. PL=Pore Lining, M=Matrix. ors for Problematic Hydric Soils ¹ :
Histosol (A1)	Sandy Redox (S5)		n Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	_	Parent Material (TF2)
Black Histic (A3)	Losmy Mucky Mineral (F1) (except MLRA 1)		er (Explain in Remarks)
_ Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)		
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)		•
_ Thick Dark Surface (A12)	Redox Dark Surface (F6)		ers of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)		nd hydrology must be present.
Sandy Gleyed Matrix (S4) strictive Layer (if present):	Redox Depressions (F8)	unles	s disturbed or problematic.
Type		Hydric Soll	Present? Yes No
Depth (inches):		Hydric Soll	Present? Yes No
Depth (inches): emarks DROLOGY		Hydric Soll	Present? Yes No
Depth (inches): Pmarks DROLOGY etland Hydrology Indicators:			
Depth (inches): PMARKS DROLOGY Stland Hydrology Indicators:		Seco	ndary Indicators (2 or more required)
Depth (inches): marks DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one requi	ired, check all that apply)	Seco	ndary Indicators (2 or more required)
Depth (inches): marks DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi	ired, check all that apply) Water-Stained Leaves (89) (except MLF	Secon	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1,
Depth (inches): marks DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one (equity) Surface Water (A1) High Water Table (A2)	ired, check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B)	<u>Seco</u> r	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
Depth (inches): pmarks DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3)	ired, check all that apply) Water-Stained Leaves (B9) (except MLF	Secor RA V D D S	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Prainage Patterns (B10)
Depth (inches): promarks DROLOGY estland Hydrology Indicators: imary Indicators (minimum of one (equilibrium) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	ired, check all that apply) Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813)	Secor RA V D D S	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2)
DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	ired, check all that apply) Water-Stained Leaves (B9) (except MLF	Secon D D Set (C3) G	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) Baturation Visible on Aerial Imagery (
Depth (inches): marks DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	ired, check all that apply) — Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) — Salt Crust (811) — Aquatic Invertebrates (813) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living Roo — Presence of Reduced Iron (C4) — Recent Iron Reduction in Titled Soils (C6	Secon RA V D S S S S S S S S S S S F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Recompression (D2)
Depth (inches): marks DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	ired, check all that apply) Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduction in Titled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)	Secon RA V D S S S S S S S S S S S F	ndary Indicators (2 or more required Vater-Stained Leaves (B9) (MLRA 1 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) Sturation Visible on Aerial Imagery (Seomorphic Position (D2) Shallow Aquitard (D3)
DROLOGY atland Hydrology Indicators: mary Indicators (minimum of one requisions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery	ired, check all that apply) — Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living Roo — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils (C6) — Stunted or Stressed Plants (D1) (LRR A) (B7) — Other (Explain in Remarks)	Secondary Second	ndary Indicators (2 or more required Vater-Stained Leaves (B9) (MLRA 1 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) aturation Visible on Aerial Imagery (Beomorphic Position (D2) Phallow Aquitard (D3) AC-Neutral Test (D5)
DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one (equivalent) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface	ired, check all that apply) — Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living Roo — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils (C6) — Stunted or Stressed Plants (D1) (LRR A) (B7) — Other (Explain in Remarks)	Secondary Second	ndary Indicators (2 or more required Vater-Stained Leaves (89) (MLRA 1 4A, and 48) Prainage Patterns (810) Pry-Season Water Table (C2) Paturation Visible on Aerial Imagery (Beomorphic Position (D2) Phallow Aquitard (D3) AC-Neutral Test (D5) Plaised Ant Mounds (D6) (LRR A)
DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one (equi- Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface ald Observations:	ired, check all that apply) — Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) — Salt Crust (811) — Aquatic Invertebrates (813) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living Roo — Presence of Reduced Iron (C4) — Recent Iron Reduction in Titled Soils (C6 — Stunted or Stressed Plants (D1) (LRR A) (87) — Other (Explain in Remarks) e (88)	Secondary Second	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) Paturation Visible on Aerial Imagery (Precious Aguitan (D2) Production Aguitan (D3) Production Test (D5) Production Aguitan (D5) Production (D6) (LRR A)
Depth (inches): emarks DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required in the second in the seco	ired, check all that apply) — Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living Roo — Presence of Reduced Iron (C4) — Recent Iron Reduction in Titled Soils (C6 — Stunted or Stressed Plants (D1) (LRR A) (B7) — Other (Explain in Remarks) e (B8)	Secondary Second	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) Paturation Visible on Aerial Imagery (Precious Aguitan (D2) Production Aguitan (D3) Production Test (D5) Production Aguitan (D5) Production (D6) (LRR A)
Depth (inches): emarks DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requisions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface and Observations: Inface Water Present? Yes ater Table Present? Yes	ired, check all that apply) — Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living Roo — Presence of Reduced Iron (C4) — Recent Iron Reduction in Titled Soils (C6) — Slunted or Stressed Plants (D1) (LRR A) (B7) — Other (Explain in Remarks) e (B8) — No — Depth (Inches): — — — — — — — — — — — — — — — — — — —	Secon RA V D S S S S F F F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Pry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Seomorphic Position (D2) Shallow Aquitard (D3) AC-Neutral Test (D5) Saised Ant Mounds (D6) (LRR A) Prost-Heave Hummocks (D7)
Depth (inches): promarks DROLOGY atland Hydrology Indicators: imary Indicators (minimum of one requisions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface and Observations: rface Water Present? Yes ater Table Present? Yes turation Present? Yes turation Present?	ired, check all that apply) — Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living Roo — Presence of Reduced Iron (C4) — Recent Iron Reduction in Titled Soils (C6) — Slunted or Stressed Plants (D1) (LRR A) (B7) — Other (Explain in Remarks) e (B8) — No — Depth (Inches): — — — — — — — — — — — — — — — — — — —	Secon RA V D S S S S F F F	ndary Indicators (2 or more required Vater-Stained Leaves (89) (MLRA 1 4A, and 48) Prainage Patterns (810) Pry-Season Water Table (C2) Paturation Visible on Aerial Imagery (Beomorphic Position (D2) Phallow Aquitard (D3) AC-Neutral Test (D5) Plaised Ant Mounds (D6) (LRR A)
DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required in the second in the	ired, check all that apply) — Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living Roo — Presence of Reduced Iron (C4) — Recent Iron Reduction in Titled Soils (C6) — Slunted or Stressed Plants (D1) (LRR A) (B7) — Other (Explain in Remarks) e (B8) — No — Depth (Inches): — — — — — — — — — — — — — — — — — — —	Secon RA	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Pry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Seomorphic Position (D2) Shallow Aquitard (D3) AC-Neutral Test (D5) Saised Ant Mounds (D6) (LRR A) Prost-Heave Hummocks (D7)
DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one (equivariance) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface ald Observations: rface Water Present? Ater Table Present? Ves turation Present? Yes turation Present? turation Present? Yes cludes capillary fringe)	ired, check all that apply) — Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) — Salt Crust (811) — Aquatic Invertebrates (813) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Living Roo — Presence of Reduced Iron (C4) — Recent Iron Reduction in Titled Soils (C6 — Stunted or Stressed Plants (D1) (LRR A) (B7) — Other (Explain in Remarks) e (B8) No Depth (inches): Wetta	Secon RA	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Pry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Seomorphic Position (D2) Shallow Aquitard (D3) AC-Neutral Test (D5) Saised Ant Mounds (D6) (LRR A) Prost-Heave Hummocks (D7)

WETLAND DETERMINATION	DATA FORM - V	Vestern Mour	ntains, Valleys, and Coa	st Region
Project/Sile ASZ	City/Co	ounty (LA	UAN Sampi	ling Date 3.18:10
Applicant/Owner Mollus		7	State Sampl	
	Sectio		ge	
			onvex, none)	
Subregion (LRR) LRA			Long.	
(NWI classification.	
Son was only wante				
Are climatic / hydrologic conditions on the site typical fo				
Are Vegetation Soil or Hydrology			Normal Circumstances" present	? Yes No
Are Vegetation Soil or Hydrology	naturally problema	tic? (if ne	eded, explain any answers in Re	emarks)
SUMMARY OF FINDINGS - Attach site m	ap showing sam	pling point lo	cations, transects, impe	ortant features, etc.
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes	No X No X	is the Sampled within a Wetlan	Area	
Remarks				
VEGETATION - Use scientific names of p	olants.			
	Absolute Dom		Dominance Test worksheet:	
Tree Stratum (Platsize Sypular)	% Cover Spec		Number of Dominant Species That Are OBL, FACW, or FAC	
2				
3			Total Number of Dominant Species Across All Strata	<u></u> (B)
4				
	= Tot	tal Cover	Percent of Dominant Species That Are OBL_FACW, or FAC	
Sapling/Shrub Stratum (Plot size			Prevalence index worksheet	
1			Total % Cover of	
2			OBL species	
3			FACW species	
4			FAC species	
5		tal Cover	FACU species	x 4 =
Herb Stratum (Plot size		כנו	UPL species	x 5 =
L. VILLAR		TOPC	Column Totals	(A)(B)
2 D. CAROTTA	<u>~-</u> -	X Y	l Prevalence Index ≈ B/A	. =
3 MANTHEO (ANCE) ATT	- 12 -	— 程	Hydrophytic Vegetation Ind	
+ TESTUCH PURCH	— - S−	200	Donunance Test is >50%	
5 TENFOLLUNG TYP		T.F.C	Prevalence Index is ≤3.0	
6			Morphological Adaptation data in Remarks or or	s' (Provide supporting
6	.		Welland Non-Vascular P	•
9			Problematic Hydrophytic	
10			'Indicators of hydric soil and	wetland hydrology must
11		In Course	be present, unless disturbed	or problematic.
Woody Vine Stratum (Plot size)		ia: 00761		
VOCOV VINE STRAIN			Hydrophytic	
2			Vegetation Present? Yes	No X
	= To	ial Cover		
% Bare Ground in Herb Stratum		···	<u> </u>	
Remarks				
į				

SOIL		Sampling Point:
Profile Description: (Describe to the dep	oth needed to document the indicator or confirm	
DepthMatrix	Redox Features	•
(inches) Color (moist) %	Color (maist) % Type Loc ²	Texture Remarks
,		
1 10 10 10 10 10 10 10 10 10 10 10 10 10		
1127 JUMP 319 100	<u>) [</u>	$10A\alpha$
1 , , , , , , , , , , , , , , , , , , ,		
Ot to Towards and		- ALAL 112020
TITU TOWNSON	100xc300 201.	
, , ,	0 (1)	
772 1171671276		
The total	1-10-10 1	
¹ Type: C=Concentration, D=Depletion, RM	=Reduced Matrix, CS=Covered or Coated Sand Gr	ains. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all		Indicators for Problematic Hydric Solis
Histosol (A1)	Sandy Redox (S5)	· ·
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	· · · · · · · · · · · · · · · · · · ·
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Almetine as however, at a constant of
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	Indicators of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	wetland hydrology must be present.
Restrictive Layer (if present):		unless disturbed or problematic.
-		
Type		
Depth (inches):		Hydric Soil Present? Yes No
Remarks.		
HADBOLOGA		
HYDROLOGY		
HYDROLOGY Wetland Hydrology Indicators:		
	i; check all that apply)	Secondary Indicators (2 or more required)
Wetland Hydrology Indicators:	i; check all that apply) Water-Stained Leaves (B9) (except MLR	
Wetland Hydrology Indicators: Primary Indicators (minimum of one required	Water-Stained Leaves (B9) (except MLR	Mater-Stained Leaves (B9) (MLRA 1, 2,
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 48)	A Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rool	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) is (C3) Geomorphic Position (D2)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rool Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6) Stunted or Stressed Plants (D1) (LRR A)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B7 Field Observations:	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present?	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rool Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Field Observations: Surface Water Present? Water Table Present? Yes Naturation Present? Yes Includes capillary fringe)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roof Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Stallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ani Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Field Observations: Surface Water Present? Water Table Present? Yes Naturation Present? Yes Includes capillary fringe)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rool Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Second Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ani Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, mo	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roof Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Stallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ani Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Field Observations: Surface Water Present? Water Table Present? Yes Naturation Present? Yes Includes capillary fringe)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ani Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Yes Includes capillary fringe) Describe Recorded Data (stream gauge, mo	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ani Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Yes Includes capillary fringe) Describe Recorded Data (stream gauge, mo	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rool Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6) Stunled or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ani Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINAT	ION DATA FORM - V	Vestern Mountains,	, Valleys, and Coast Region
Project/Sile	City/C	ounty. <u>CAU</u>	Sampling Date IIA8
Applicant/Owner. Model Son	J	s	State Sampling Point
investigator(s)) Section	n, Township, Range	
Landform (hillslope, terrace, etc.).	Local	relief (concave, convex,	none) Slope (%)
Subregion (LRR).			Datum
Soil Map Unit Name (12) Cl C			NWI classification.
Are climatic / hydrologic conditions on the site typi			
Are Vegetation Soil or Hydrology			Circumstances" present? Yes No
Are Vegetation Soil or Hydrology			xplain any answers in Remarks.)
			na transacte important features atc
SUMMARY OF FINDINGS - Attach Si	te map snowing sair	ipling point location	ns, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No X	is the Sampled Area	
Hydric Soil Present? Yes	No <u>X</u> _	within a Wetland?	Yes No
Wetland Hydrology Present? Yes _	No	<u></u>	
Remarks:			
VEGETATION – Use scientific names	of plants		
AFGETATION - Dag actending dataset		ninant Indicator Domin	nance Test worksheet:
Tree Stratum (Plot size)	% Cover Spe	1 (40,,,,0	per of Dominant Species
1		That #	Are OBL. FACW, or FAC(A)
2			Number of Dominant es Across All Strata (8)
3		Speci	es Across All Strata(B)
4	= to	Perce	ent of Dominant Species Are OBL: FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size			
1			alence Index worksheet:
2			otal % Cover of Multiply by species x 1 =
3			N species x 2 =
4			species ID ×3= 50
5		otal Cover FACL	species 30 x 4 = 120
Herb Stratum (Piot size		UPL	species
EUCANTHENIUM VU	MAHIE ON T	Colur	mn Totals. (A) (B)
MATPED LANCOLA	<u> </u>	CTICU	Prevalence Index = B/A = 740
3 DATUCUS CHROTH	- H	- FO Hydr	ophytic Vegetation Indicators:
4 RUMUTELLAS TAUTO	<u> </u>	 	Dominance Test is >50%
5 10311111			Prevalence Index is \$3.0°
6		'	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
8		1	wetland Non-Vascular Plants
9			Problematic Hydrophytic Vegetation (Explain)
10		\ \	cators of hydric soil and wetland hydrology must
11		be pr	resent, unless disturbed or problematic.
Mark Charles (Diet and		otal Cover	
Woody Vine Stratum (Plot size	/ 	Hydi	rophytic
			etation sent? Yes No
2-	= To		
% Bare Ground in Herb Stratum			
Remarks			

SOIL		Sampling Point:
Profile Description: (Describe to the	depth needed to document the indicator or	confirm the absence of indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist) %		Loc ² Texture Remarks
0-11 104P313 IC	5 0'1	WAM
712° 104042 10	1.1046/6 351.	- CACIAY
Type: C=Concentration, D=Depletion,	RM=Reduced Matrix, CS=Covered or Costed	
Hydric Soil Indicators: (Applicable to	all LRRs, unless otherwise noted.)	indicators for Problematic Hydric Soils':
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except M	LRA 1) Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (If present):		
Түре:		
Depth (inches)		Hydric Soll Present? Yes No X
Remarks		11/4110-00111100111111111111111111111111
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one requ	uired; check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (89) (exc	ept MLRA Water-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
l		ring Roots (C3) Geomorphic Position (D2)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	
Algal Mat or Crust (84)		Shallow Aquitard (D3) Soils (C6) FAC-Neutral Test (D5)
Iron Deposits (B5)	Recent Iron Reduction in Tilled S	
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1)	· · · · · · · · · · · · · · · · · · ·
Inundation Visible on Aerial Imagery	·	Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surfa	Ce (B8)	
Field Observations:		
Surface Water Present? Yes	No Depth (inches)	
Water Table Present? Yes	No Depth (inches). No Depth (inches):	
Saturation Present? Yes	No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)	, monitoring well, aerial photos, previous inspe	ections), if available:
Remarks WATER TABLE	@, below, within	Clay lave
		-

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site Applicant/Owner MUSPILLS State: _____ Sampling Point:c Investigator(s) Section, Township, Range: Local relief (concave, convex, none): ______ Slope (%) Landform (hillslope, terrace, etc.). Lat Subregion (LRR). NWI classification. Soit Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes - X No _____ (If no, explain in Remarks.) Are Vegetation . Soil _____ or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes _ Are yegetation _____. Soil _____ or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size _____) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC. Total Number of Dominant Species Across All Strata Percent of Dominant Species ____ = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size _____) Prevalence Index worksheet: Total % Cover of: **OBL** species FACW species FAC species **FACU species** = Total Cover UPL species Column Totals. Prevalence Index = 8/A = Hydrophytic Vegetation Indicators Dominance Test is >50% Prevalence Index is ≤3.01 *Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Total Cover Woody Vine Stratum (Plot size _ Hydrophytic Vegetation Present? _= Total Cover % Bare Ground in Herb Stratum Remarks

Sampling Point 1181

	epth needed to document the indicator or confirm	•
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type Loc²	Texture Remarks
<u> </u>	_ 	- A
11-15 111/04/3 10) [,] .	CURLICORN
VIII TONE		
512 101/4012 Oct	1040-4/6 301.	
713 JUNAS 201	101424/16/301	
0,	0 '	
	· · · · · · · · · · · · · · · · · · ·	
		i
¹Type: C=Concentration, D=Depletion, R	M=Reduced Matrix, CS=Covered or Coated Sand Gra	ains. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to	il LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils':
Hislosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present):		
Туре:		
Depth (inches):		Hydric Soil Present? Yes NoX
Wetland Hydrology Indicators:		
		Secondary indicators (2 or more required)
Wetland Hydrology Indicators:	ired: check all that apply) Water-Stained Leaves (B9) (except MLF	RA Water-Stained Leaves (89) (MLRA 1, 2,
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B)	RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1)	Water-Stained Leaves (B9) (except MLF1, 2, 4A, and 4B)Salt Crust (B11)	RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2)	 Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) 	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) (except MLF1, 2, 4A, and 4B)Salt Crust (B11)	RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	 Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) 	AA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	 Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) 	AA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Ols (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C8) Stunted or Stressed Plants (D1) (LRR A)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Ols (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeriai Imagery Sparsely Vegetated Concave Surface	Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C8 Stunted or Stressed Plants (D1) (LRR A (87) e (88)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C8 Stunted or Stressed Plants (D1) (LRR A (B7) Other (Explain in Remarks) e (B8)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present?	Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6 Stunted or Stressed Plants (D1) (LRR A (B7) Other (Explain in Remarks) e (88) No Depth (inches).	Water-Stained Leaves (89) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present?	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6 Stunted or Stressed Plants (D1) (LRR A (B7) Other (Explain in Remarks) (B8) No Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes Includes capillary (ringe)	Water-Stained Leaves (89) (except MLF 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6 Stunted or Stressed Plants (D1) (LRR A (B7) Other (Explain in Remarks) e (88) No Depth (inches).	AA Water-Stained Leaves (89) (MLRA 1, 2, 4A, and 4B)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes Includes capillary (ringe)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6 Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B7) Obepth (inches): No Depth (inches): No Depth (inches):	AA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Water Table Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge.	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6 Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B7) Obepth (inches): No Depth (inches): No Depth (inches):	AA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Stallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes X No
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Saturation Present? Yes Yes Yes Includes capillary (ringe)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6 Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B7) Obepth (inches): No Depth (inches): No Depth (inches):	AA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Stallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes X No
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Water Table Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge.	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6 Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B7) Obepth (inches): No Depth (inches): No Depth (inches):	AA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Yes Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge.	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6 Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B7) Obepth (inches): No Depth (inches): No Depth (inches):	AA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site State _____ Sampling Point: 1 Applicant/Owner. Section, Township, Range: Investigator(s) Local relief (concave, convex, none): ______ Slope (%) Landform (hillslope, terrace, etc.). _ Long. _____ Lat ___ Datum Subregion (LRR). ____ NWI classification. Soil Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation _____. Soil _____, or Hydrology _____ sunificantly disturbed? Are "Normal Circumstances" present? Yes ____ Are Vegetation _____ Soil ____ or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area No Hydric Soil Present? within a Wetland? Welland Hydrology Present? Remarks VEGETATION – Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Plot size _____) Number of Dominant Species That Are OBL FACW or FAC. Total Number of Dominant Species Across All Strata Percent of Dominant Species ____ = Total Cover That Are OBL. FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence Index worksheet: Total % Cover of OBL species **FACW** species FAC species FACU species = Total Cover UPL species Column Totals 11 Prevalence Index # B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.0 ___ Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) ___ Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. = Total Cover Woody Vine Stratum (Plot size ____ Hydrophytic Vegetation Present? % Bare Ground in Herb Stratum Remarks

Depth	Matrix		Redo	x Features		the absence o		
(inches)	Color (moist)	%	Color (maist)	% Type	<u>Loc²</u>	Texture	Rema	rks
0-10	10M4/3	100-1	•				CUPALLE	am.
710	10WA913	60%	10466	401	 :		CUPU	
			0 .			 -		
							·	
Type: C=Ce	oncentration, D=Dept	etion, RM=	Reduced Matrix, CS	G=Covered or Coate	d Sand Gra	ins. Loca	tion: PL≃Pore Linir	ng, M≃Matrix.
	Indicators: (Applica				····		s for Problematic i	
_ Histosol	(A1)		Sandy Redox (35)		2 cm	Muck (A10)	
Histic Eg	oipedon (A2)		Stripped Matrix	(\$6)		Red F	Parent Material (TF2	?)
Black Hi	stic (A3)		Loamy Mucky N	fineral (F1) (except	MLRA 1)	Other	(Explain in Remark	s)
Hydroge	n Sulfide (A4)		Loamy Gleyed	Matrix (F2)				
Depleted	Below Dark Surface	(A11)	Depleted Matrix	: (F3)		•		
Thick Da	ark Surface (A12)		Redox Dark Su	rface (F6)		Indicators	s of hydrophytic veg	etation and
Sandy M	łucky Mineral (S1)		Depleted Dark :	Surface (F7)		wetland	d hydrology must be	present.
Sandy G	Sleyed Matrix (S4)	-	Redox Depress	lons (F8)		uniesa	disturbed or proble	matic.
Restrictive l	Layer (if present):							
Type			<u></u>					
Depth (inc	ches):					Hydric Soil P	resent? Yes	No
Remarks	.,							

Wetland Hydrology Indicators:	· · · · · · · · · · · · · · · · · · ·		
Primary Indicators (minimum of one required; c	heck all that apply)	Secondary Indicators (2 or more required)	
Surface Water (A1)	Water-Stained Leaves (B9) (excep	t MLRA Water-Stained Leaves (B9) (MLRA 1, 2,	
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)	
Saturation (A3)	Salt Crust (811)	Drainage Patterns (810)	
Water Marks (81)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)	
Sediment Deposits (B2)			
Drift Deposits (B3)	Oxidized Rhizospheres along Livin	g Roots (C3) Geomorphic Position (D2)	
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)	
Iron Deposits (B5)	Recent Iron Reduction in Tilled So	Is (C6) FAC-Neutral Test (D5)	
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (L	RR A) Raised Ant Mounds (D6) (LRR A)	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Frost-Heave Hummocks (D7)	
Sparsely Vegetated Concave Surface (B8)			
Field Observations:			
Surface Water Present? Yes No			
Water Table Present? Yes No	V Depth (inches):	1.	
Saturation Present? Yes No (includes capillary fringe)	Depth (inches):	Wetland Hydrology Present? Yes No	
Describe Recorded Data (stream gauge, monit	oring well, aerial photos, previous inspect	ons), if available.	
Remarks			

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Vallam Sampling Date 3.18 City/County _ Project/Site Applicant/Owner Molens State _____ Sampling Point T Investigator(s) Section, Township, Range Landform (hillslope, terrace, etc.) Local relief (concave, convex, none) Slope (%) Subregion (LRR) Datum Soil Map Unit Name __ NWI classification. (If no, explain in Remarks.) or Hydrology agnificantly disturbed? Are Vegetation ____ Soil _ Are 'Normal Circumstances' present? Yes Are Vegetation Soil or Hydrology naturally problematic? (if needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Welland Hydrology Present? Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Plot size Number of Dominant Species That Are OBL, FACW, or FAC. Total Number of Dominant Species Across All Strata Percent of Dominant Species ____ = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence Index worksheet: Total % Cover of Multiply by OBL species **FACW** species FAC species FACU species = Total Cover **UPL** species Column Totals Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3 0 Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) 'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic = Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present?

Remarks

Profile Description: (Describe to the dept	h needed to document the indicator or confirm	the absence of indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type Loc2	Texture Remarks
	. 1	
1211 101W24 12 100) · (.	
O-TI WALL		
नाठ जिल्लिक	TRI WEST TO IT	
	1014 1710 do T	
		
Type: C∈Concentration, D=Depletion, RM= Hydric Soll Indicators: (Applicable to all	Reduced Matrix, CS=Covered or Coated Sand Gra	ins. ² Location: PL=Pore Lining, M=Matrix Indicators for Problematic Hydric Solis ³ :
•	Sandy Redox (S5)	2 cm Muck (A10)
Histosol (A1) Histic Epipedon (A2)	Stripped Matrix (\$6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4) Restrictive Laver (if present):	Redox Depressions (F8)	unless disturbed or problematic
Restrictive Layer (II present).		
-		·
Type.		Muddle Sell Bressett Voe No.
Depth (inches)		Hydric Soli Present? Yes No
Depth (inches):		Hydric Soll Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soll Present? Yes No X
Depth (inches):		Hydric Soll Present? Yes No
Depth (inches):		Hydric Soll Present? Yes No
Depth (inches): Remarks YDROLOGY		Hydric Soll Present? Yes No
Depth (inches): Remarks YDROLOGY Wettand Hydrology Indicators:	d check all (hal apply)	Hydric Soll Present? Yes No X
Depth (inches): Remarks YDROLOGY Wettand Hydrology Indicators: Primary Indicators (minimum of one required	check all (hat apply) Water-Stained Leaves (B9) (except MLR	Secondary Indicators (2 or more required)
Primary Indicators (minimum of one required Surface Water (A1)		Secondary Indicators (2 or more required)
Depth (inches): Permarks YDROLOGY Vettand Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B)	Secondary Indicators (2 or more required) A Water-Stained Leaves (89) (MLRA 1, 2
Depth (inches): Remarks YDROLOGY Wettand Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) (except MLR	Secondary Indicators (2 or more required) A Water-Stained Leaves (89) (MLRA 1, 2) 4A, and 4B)
Depth (inches): Remarks YDROLOGY Wettand Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11)	Secondary Indicators (2 or more required) A Water-Stained Leaves (89) (MLRA 1, 2 4A, and 4B) Drainage Patterns (810) Dry-Season Water Table (C2)
Primary Indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	 Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) 	Secondary Indicators (2 or more required) A Water-Stained Leaves (89) (MLRA 1, 2
Depth (inches): Remarks YDROLOGY Wettand Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	 Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) 	Secondary Indicators (2 or more required) A Water-Stained Leaves (89) (MLRA 1, 2
Primary Indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo	Secondary Indicators (2 or more required) (A Water-Stained Leaves (89) (MLRA 1, 2
Pepth (inches): Permarks YDROLOGY Wettand Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Ma1 or Crust (B4)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required) A Water-Stained Leaves (89) (MLRA 1, 2
Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Ma1 or Crust (B4) tron Deposits (B5)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stanted or Stressed Plants (D1) (LRR A)	Secondary Indicators (2 or more required) A Water-Stained Leaves (89) (MLRA 1, 2
Depth (inches): Remarks IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solis (C6) Stanted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Secondary Indicators (2 or more required) A
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Remarks

WETLAND DETERMINATION	DATA FORM	4 - Western Mou	ntains, Valleys, and Coast Region
Project/Site A2Z		\sim	AUAN Sampling Date 3.18.10
Applicant/Owner MORUSON			State Sampling Point
	S		nge
			convex, none) Slope (%)
Subregion (LRR)	Lat	• •	Long Datum
Soil Map Unit Name BEUINGH	AM4	1	NWt classification.
Are climatic / hydrologic conditions on the site typical fo	or this time of year		
Are Vegetation Soil or Hydrology			Normal Circumstances" present? Yes No K
Are Vegetation Soil or Hydrology	naturally prob		eded, exptain any answers in Remarks.)
			ocations, transects, important features, etc
Hydrophytic Vegetation Present? Yes	No No	is the Sampled within a Wetlan	Area
VEGETATION - Use scientific names of p	Absolute % Cover	Dominant Indicator Species? Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC. (A)
2 3 4 Sapling/Shrub Stratum (Plot size)			Total Number of Dominant Species Across Ali Strata Percent of Dominant Species That Are OBL FACW, or FAC (A) (B)
1 2 3 4 5 5			Prevalence index worksheet: Total % Cover of Multiply by OBL species FACW species FAC species Total % Cover of Multiply by X 1 = X 2 = X 2 = X 3
Hero Siralum (Piol size D. CAPOTA CAPOTA L. VULGARE	15 A A A A A A A A A A A A A A A A A A A	X FACU	FACU species
FRENCHEIRS PADICAT	SOUNCE EN		Dominance Test is >50% Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants
10 5. ALLEOLATA 11 Woody Vine Stratum (Plot size)	5	Total Cover	Problematic Hydrophytic Vegetation (Explain) 'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
2 % Bare Ground in Herb Stratum		Total Cover	Hydrophytic Vegetation Present? Yes No
Remarks			

TO TOWNS TO TOWNS TO TOWNS TO THE POPPLIATION OF THE POPPLINING MEMBERS. TO TOWNS TO THE POPPLINING MEMBERS. TO TOWNS TO THE POPPLINING MEMBERS. This to soil Indicators: (Applicable to all LRRs, unless otherwise noted.) His tosoil (A1) Stripped Malrix (S5) Indicators for Problematic Hydric Soils. His tosoil (A2) Stripped Malrix (S5) Red Parent Material (TF2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Other (Explain in Remarks) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be present. Sandy Gleyed Matrix (S4) Redox Depressions (F8) Unless disturbed or problematic. Strictive Layer (If present): Type Depth (inches). Hydric Soil Present? Yes No	epth Matrix nches) Color (moist) %	Redox Features Color (moist) % Type Loc²	Texture	Remarks
pe. C-Concentration. D-Depletion. RM-Reduced Matrix, CS-Covered or Costed Sand Grains. **Location. PL-Pore Living. McMatrix tards Sall Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators (Applicable to all LRRs, unless otherwise noted.)	Lings) Color (moist) 78	Co.or (morat) N Type Loc	1841018	TO THE PARTY OF TH
pe. C-Concentration. D-Depletion. RM=Reduced Matrix, CS=Covered or Coated Send Grains. **Location. PL=Pore Living. M=Matrix Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosci (A1) Sandy Redox (S5) Black Histic (A2) Black Histic (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Applicable Sellow Dark Surface (A1) Depleted Matrix (F3) The Oar's Surface (A1) Depleted Dark Surface (F6) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy (Lieyed Matrix (S4) Pedox Dark Surface (F7) Sandy (Lieyed Matrix (S4) Pedox Dark Surface (F7) **Indicators of hydrophytic vegetation and welland hydrotogy must be present. unless disturbed or problematic virietive Layer (if present): Type Depleted Dark Surface (F8) **Indicators of hydrophytic vegetation and welland hydrotogy must be present. unless disturbed or problematic virietive Layer (if present): Type Depleted Dark Surface (F8) **Redox Depressions (F8) **Probable (F8) **Indicators of hydrophytic vegetation and welland hydrotogy must be present. unless disturbed or problematic virietive Layer (if present): **Probable (F8) **Present of Reduction in Tailed Soils (C6) **Present of Reduction in Tailed Soils (C6) **Surface (F8) **Probable on Aerial Imagery (F7) **Probable (F8) **Probab	the TOWASTA TO	<u> </u>		
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marks	DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Id Observations: face Water Present? Iter Table Present? Ves uration Present? Yes uration Present? Yes Indes capillary fringe)	red: check all that apply) Water-Stained Leaves (B9) (except No. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Recent Iron Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (B7) Other (Explain in Remarks) (B7) Depth (inches): No. Depth (inches): No. Depth (inches):	ALRA	Populary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (California) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
narks	Trand Hydrology Indicators: mary Indicators (minimum of one requires Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface id Observations: face Water Present? Test Table Present? Test Table Present? Test Indes capillary fringe)	red: check all that apply) Water-Stained Leaves (B9) (except No. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Recent Iron Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (B7) Other (Explain in Remarks) (B7) Depth (inches): No. Depth (inches): No. Depth (inches):	ALRA	Populary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (California) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
	PROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Indicated Water Present? Iter Table Present? Ves Judes capillary fringe) Scribe Recorded Data (stream gauge in the stream gauge in the	red: check all that apply) Water-Stained Leaves (B9) (except No. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Recent Iron Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (B7) Other (Explain in Remarks) (B7) Depth (inches): No. Depth (inches): No. Depth (inches):	ALRA	Populary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETER	MINATION DATA	FORM -	Western Moun	tains, Valleys, and (Coast Region
Project/Site: A2Z		Citu#	County: CAPIL	lam s	iampling Date: 3.18.10
Applicant/Owner. MOVER	(500)				iampling Point: 1185
Investigator(s):		Sect		ge:	
Landform (hillstope, terrace, etc.).			-		Slope (%).
Subregion (LRR):		•	4		Datum:
Subregion (LRR):	IAM (I	37			ion.
Are climatic / hydrologic conditions on th	ne site typical for this ti	me of year?		(If no, explain in Re	
Are Vegetation Soil or					sent? Yes No
Are Vegetation Soil or				eded, explain any answers	
SUMMARY OF FINDINGS - A				•	
SUMMART OF FINDINGS - A			inpung point to	Catione, transecte,	miportant reasones, etc.
Hydrophytic Vegetation Present?	Yes No	/-	is the Sampled	Arioa	
Hydric Soll Present?	Yes No _	X -	within a Wetlan		_ No <u>X</u>
Wetland Hydrology Present?	Yes No _	<u> </u>	<u> </u>		
Remarks:					
VEGETATION - Use scientific	names of plants	•			
		bsolute Do	minant Indicator	Dominance Test works	heet:
Tree Stratum (Plot size			ecles? Status	Number of Dominant Spo That Are OBL, FACW, or	
3				Total Number of Domina Species Across Ali Strate	
4				Percent of Dominant Spi	
Sapling/Shrub Stretum (Plot size:		= 1	otal Cover	That Are OBL, FACW, or	FAC (A/B)
1				Prevalence Index work	
2				Total % Cover of:	
3				OBL species	x1 =
4				FAC species	5 33 705
5			Total Cover	FACU species	2 x4. <u>280</u>
Herb Stratum (Plot size)	1	(12)	UPL species	2 x5+ 200
1 L. VILLEPAR	0.01 1.00	40 -	K THE	Column Totals:	$\bigcirc (A) \bigcirc (B) \bigcirc (B)$
2 MANTEGO JAN	EDIATA_	<u> </u>	X 1111	Prevalence Index	- ALO
3 FERRICE PLAN		32 -	今岛	Hydrophytic Vegetation	
1 D. CHRONE CATE	·	75-		Dominance Test is:	
5 D. W. CUDOALS	·	5	FACL	Prevalence Index is	
1 Terforum	3PP	10	Fac	Morphological Adap	tations' (Provide supporting
6				Wetland Non-Vascu	or on a separate sheet)
9					hytic Vegetation ¹ (Explain)
10.				Indicators of hydric soil	and wetland hydrology must
11		चिर्		be present, unless distu	
Woody Vine Stratum (Plot size:	1	1 <u>-1-1-</u> 1	otal Cover		
1			 	Hydrophytic	
2				Vegetation Present? Yes	No_X_
	= .		otal Cover		·
% Bare Ground in Herb Stratum	<u> </u>			<u> </u>	<u></u>
Remarks					

(inches) Color (moist) of	depth needed to document the indicator or co	infirm the absence of indicators.)
(inches) Color (maist) 9	Color (moist) % Type' Lo	F. Tautura
MIT THUESTON	† 	Remarks
ATT TURESTO	106.1	
412 TO 10		
-CIA 100000	15455 6401 -	
	<u></u>	
Type: C=Concentration, D=Depletion 6	Management Administration of the Company of the Com	
Hydric Soil Indicators: (Applicable to	RM-Reduced Matrix, CS-Covered or Coated Sant	Grains. *Location: PL=Pore Lining, M=Metr
Histosci (A1)	Sandy Redox (85)	Indicators for Problematic Hydric Soll
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA	Red Parent Material (TF2)
Hydrogen Sulfide (A4)	— COSTRY CIEYED MISHLY (F2)	1) Other (Explain in Remarks)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	Depleted Matrix (F3)	•
Sandy Mucky Mineral (S1)	Redox Dark Surface (F6)	\$
Sandy Gleyed Matrix (S4)	Depleted Dark Surface (F7)	Indicators of hydrophytic vegetation and
lestrictive Layer (If present):	Redox Depressions (F8)	wellend hydrology must be present
Type:		unless disturbed or problematic.
· / P V ·		
Death (inches)		
Depth (inches):		Mydric Ball Present? Yes No
emarks:		Hydric Sall Present? Yes No
DROLOGY Piland Hydrology Indicators:		Mydric Sall Present? Yes No
DROLOGY ptland Hydrology Indicators: many indicators (minimum of one require	d. check all that apply)	
DROLOGY Pitand Hydrology Indicators: IMAIN Indicators (minimum of one require) Surface Water (A1)	d: check all that apply) Water-Stained Leaves (S9) (except MI	Secondary indicators (2 or more require
DROLOGY Pfland Hydrology Indicators: many indicators (minimum of one require) Surface Water (A1) High Water Table (A2)	d: check all that apply) Water-Stained Leaves (89) (excapt ML 1, 2, 4A, and 48)	Secondary Indicators (2 or more required RA Water-Stained Leaves (89) (MLRA
DROLOGY Indicators: Many indicators (minimum of one results) Surface Water (A1) High Water Table (A2) Seturation (A3)	d_check all that apply) Water-Stained Leaves (89) (except ML 1, 2, 4A, and 48) Selt Crust (811)	RA Water-Steined Leaves (89) (MLRA 4A, and 4B)
DROLOGY Priand Hydrology Indicators: many Indicators (minimum of one require) Surface Water (A1) High Water Table (A2) Seturation (A3) Water Marks (B1)	d: check all that apply) — Water-Stained Leaves (89) (except ML 1, 2, 4A. and 4B) — Sait Crust (811) — Aquatic Invertebrates (813)	RA Water-Stained Leeves (89) (MLRA 4A, and 4B) Oralnege Patterns (810)
DROLOGY Portland Hydrology Indicators: many Indicators (minimum of one require) Surface Water (A1) High Water Table (A2) Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	d: check all that apply) — Water-Stained Leaves (89) (except ML 1, 2, 4A, and 4B) — Sait Crust (811) — Aquatic Invertebrates (813) — Hydrogen Sutfide Odor (C1)	RA Water-Stained Leaves (89) (MLRA 44A, and 4B) Drainage Patterns (810) Dry-Season Water Table (C2)
DROLOGY Pitand Hydrology Indicators: Imary Indicators (Minimum of one require) Surface Water (A1) High Water Table (A2) Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	d. check all that apply) — Water-Stained Leaves (89) (except ML 1, 2, 4A, and 4B) — Salt Crust (811) — Aquatic Invertebrates (813) — Hydrogen Sutfide Odor (C1) — Oxidized Rhizospheres along Living Rec	RA Water-Stained Leaves (B9) (MLRA (4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery
Depth (inches): emarks: DROLOGY ritand Hydrology Indicators: many indicators (minimum of one require) Surface Water (A1) High Water Table (A2) Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Aligal Mat or Crust (B4) Iron Deposits (B5)	d: check all that apply) — Water-Stained Leaves (89) (except ML 1, 2, 4A, and 4B) — Salt Crust (811) — Aquatic Invertebrates (813) — Hydrogen Sutfide Odor (C1) — Oxidized Rhizospheres along Living Roc — Presence of Reduced Iron (C4)	Secondary indicators (2 or more required RA Water-Steined Leeves (B9) (MLRA 4A, and 4B) Drainage Patterns (B10) Dry-Sesson Water Table (C2) Saturation Visible on Aerial Imagery (C3) Geomorphic Position (D2)
Depth (inches): emarks: DROLOGY ritand Hydrology Indicators: mary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	d: check all that apply) — Water-Stained Leaves (89) (excapt ML 1, 2, 4A, and 4B) — Salt Crust (811) — Aquatic invertebrates (813) — Hydrogan Sulfide Odor (C1) — Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Solis (C8)	Secondary Indicators (2 or more required RA Water-Stained Leaves (89) (MLRA 4A, and 4B) Drainage Patterns (810) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3) Geomorphic Position (D2) Shellow Aquitand (D3)
Depth (inches): emarks: DROLOGY Pitand Hydrology Indicators: many indicators (minimum of one require) Surface Water (A1) High Water Table (A2) Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)	d: check all that apply) Water-Stained Leaves (89) (except ML 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogan Sutfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Raduced Iron (C4) Recent Iron Reduction in Tilled Solis (C8	Secondary Indicators (2 or more required RA Water-Stained Leaves (B9) (MLRA 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3) Geomorphic Position (D2) Shallow Aquitand (D3) FAC-Neutral Test (D5)
Depth (inches): emarks: DROLOGY Itland Hydrology Indicators: many indicators (minimum of one require) Surface Water (A1) High Water Table (A2) Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B8) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B8)	d: check all that apply) Water-Stained Leaves (89) (except ML 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogan Sutfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Raduced Iron (C4) Recent Iron Reduction in Tilled Solis (C8	Secondary Indicators (2 or more required RA Water-Steined Leeves (B9) (MLRA 4A, and 4B) Drainage Patterns (B10) Dry-Sesson Water Table (C2) Saturation Visible on Aerial Imagery (C3) Geomorphic Position (D2) Shallow Aquitand (D3) FAC-Neutral Test (D5) Relied Ant Mounds (D6) (LRR A)
Depth (inches): emarks: DROLOGY Interpolation (inches): Manual Hydrology Indicators: Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B6) Mobservations:	d: check all that apply) Water-Stained Leaves (89) (except ML 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogan Sutfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Raduced Iron (C4) Recent Iron Reduction in Tilled Solis (C8	Secondary Indicators (2 or more required RA Water-Stained Leaves (B9) (MLRA 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3) Geomorphic Position (D2) Shallow Aquitand (D3) FAC-Neutral Test (D5)
Depth (inches): emarks: DROLOGY Interpretation (minimum of one results) Surface Water (A1) High Water Table (A2) Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Met or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B6) d Observations: See Water Present? Yes N	d: check all that apply) Water-Stained Leaves (89) (except ML 1, 2, 4A, and 4B) Salt Crust (811) Aquatic invertebrates (813) Hydrogen Sutfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C8 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Secondary Indicators (2 or more required RA Water-Stained Leaves (89) (MLRA (4A, and 4B)) — Drainage Patterns (810) — Dry-Season Water Table (C2) — Saturation Visible on Aerial Imagery (C3) — Geomorphic Poetion (D2) — Shallow Aquitard (D3) — FAC-Neutral Test (D6) — Reised Ant Mounds (D6) (LRR A)
Depth (inches): emarks: DROLOGY Intervindicators (minimum of one require surface Water (A1) High Water Table (A2) Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Aligal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B8) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B3) Discoverations: Boo Water Present? Yes No	d. check all that apply) Water-Stained Leaves (89) (except ML 1, 2, 4A, and 4B) Salt Crust (811) Aquatic invertebrates (813) Hydrogen Sutfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (C8 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches):	Secondary Indicators (2 or more required RA Water-Stained Leaves (89) (MLRA (4A, and 4B)) — Drainage Patterns (810) — Dry-Season Water Table (C2) — Saturation Visible on Aerial Imagery (C3) — Geomorphic Poetion (D2) — Shallow Aquitard (D3) — FAC-Neutral Test (D6) — Reised Ant Mounds (D6) (LRR A)
Depth (inches): emarks: DROLOGY Intervindicators (minimum of one require surface Water (A1) High Water Table (A2) Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B G Observatione: ace Water Present? Table Present? Yes No	d_check all that apply) Water-Stained Leaves (89) (except ML 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solis (C8 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): Depth (inches):	Secondary Indicators (2 or more required AA, and 4B) — Drainage Patterns (810) — Dry-Season Water Table (C2) — Saturation Visible on Aerial Imagery (C3) — Geomorphic Position (D2) — Shallow Aquitard (D3) — FAC-Neutral Test (D5) — Reised Ant Mounds (D5) (LRR A) — Frost-Heave Hummocks (D7)
Depth (inches): emarks: DROLOGY Internation (minimum of one require) Surface Water (A1) High Water Table (A2) Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B8) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B1) J Observations: ace Water Present? Table Present? Test Table Present?	d: check all that apply) Water-Stained Leaves (89) (except ML 1, 2, 4A, and 4B) Salt Crust (811) Aquatic invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C8 Siunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): Depth (inches):	Secondary Indicators (2 or more required RA Water-Stained Leaves (B9) (MLRA 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (D3) Geomorphic Position (D2) Shallow Aquitand (D3) FAC-Neutral Test (D5) Reised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Depth (inches): emarks: DROLOGY Interpretation (minimum of one require) Surface Water (A1) High Water Table (A2) Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B8) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B3) JOSSEPPRESENT? Table Present? Test Table Present?	d: check all that apply) Water-Stained Leaves (89) (except ML 1, 2, 4A, and 4B) Salt Crust (811) Aquatic invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C8 Siunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): Depth (inches):	Secondary Indicators (2 or more require RA
Depth (inches): emarks: DROLOGY Intervindicators: Intervindicators (minimum of one require) Surface Water (A1) High Water Table (A2) Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Aligal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B8) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B J Observations: ace Water Present? Yes No ration Present? Yes No ration Present? Yes No retion Present? Yes No Ret	d_check all that apply) Water-Stained Leaves (89) (except ML 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solis (C8 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): Depth (inches):	Secondary Indicators (2 or more required RA Water-Stained Leaves (B9) (MLRA 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (D3) Geomorphic Position (D2) Shallow Aquitand (D3) FAC-Neutral Test (D5) Reised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Depth (inches): emarks: DROLOGY Interpretation (minimum of one require) Surface Water (A1) High Water Table (A2) Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B8) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B3) JOSSEPPRESENT? Table Present? Test Table Present?	d: check all that apply) Water-Stained Leaves (89) (except ML 1, 2, 4A, and 4B) Salt Crust (811) Aquatic invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C8 Siunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): Depth (inches):	Secondary Indicators (2 or more required RA Water-Steined Leaves (89) (MLRA 14A, and 48) — Drainage Patterns (810) — Dry-Sesson Water Table (C2) — Saturation Visible on Aerial Imagery (D3) — Geomorphic Position (D2) — Shallow Aquitand (D3) — FAC-Neutral Test (D3) — Reised Ant Mounds (D6) (LRR A) — Frost-Heave Hummocks (D7)

WETLAND DETER	MINATION DATA FORE	M – Western Moui	ntains, Valleys, and	Coast Region
Project/Site: AZ	(City/County	llan:	Sampling Date TTB6
Applicant/Owner. MP115	500		State :	7 17
Investigator(s)	S	Section, Township, Rar	nge	
Landform (hillstope, terrace, etc.).	-			Slope (%)
Subregion (LRR)			•	Datum
Soil Map Unit Name UQU	Cun (12)			tion.
Are climatic / hydrologic conditions on the	site typical for this time of year			
Are Vegetation Soil or H		•		esent? Yes No K
Are Vegetation, Soil, or H			eded, explain any answers	
SUMMARY OF FINDINGS - Att	tach site map showing	sampling point lo	ocations, transects,	important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks	Yes No No Yes No	is the Sampled within a Wetian	\/	No
VEGETATION - Use scientific	Absolute	Dominant Indicator Species? Status	Dominance Test works	
1			Number of Dominant Sp. That Are OBL, FACW, or	
2			Total Number of Domina	
3			Species Across All Strati	(B)
4		= Total Cover	Percent of Dominant Spi That Are OBL: FACW, o	
Sapling/Shrub Stratum (Plot size			Prevalence Index work	sheet:
2			Total % Cover of	
3			OBL species	x1=
4				x 2 =
5			I	x 3 =
		_ = Total Cover	1 '	x 4 =
Herb Stratum (Piol size	<u>-</u> , 20	y For		x 5 =
D Olymerata	300	FACE	Column Totals	(A) (B)
22.401.022.11	500 20	T FA	Prevalence Index	= B/A =
D Cacata	10		Hydrophytic Vegetatio	n Indicators:
5 H. CADICATA		FIAC	Dominance Test is	
6 TRIFIDUUM 50	10 <u>5</u>	EAC	Prevalence Index is	
7			Morphological Adap data in Remarks	stations1 (Provide supporting or on a separate sheet)
8			Wetland Non-Vasci	
9			1 ==	phytic Vegetation (Explain)
10			Indicators of hydric soil be present, unless distu	and wetland hydrology must inhed or problematic.
11		= Total Cover	De present, unless disto	at b
Woody Vine Stratum (Plot size)	_		
1		·	Hydrophytic Vegetation	M
2			Present? Yes	s_X No
ALD BUILDING BUILDING		_≈ Total Cover		
% Bare Ground in Herb Stratum Remarks		· 	.4	
1 1427 1 1427 1 1542				

OIL				(Indiantam)
rofile Description: (Describ	e to the depth need	ed to document the indicator or	confirm the absence o	r indicators.)
Depth Matrix		Redox Features		
(inches) Color (moist)	% Cold	r (moist) % Type'	oc ² Texture	Remarks
7 7 7 11717/2	12081	mach sit		
J-13 Juypa	1001	indepidati -		·····
714 1000	7 TC	JUPE (0.30)		
		0		
				
				·
		ed Matrix, CS=Covered or Coated S		tion: PL=Pore Lining M=Matrix.
ydric Soil Indicators: (App				s for Problematic Hydric Solls':
Histosol (A1)		ndy Redox (S5)		Muck (A10)
Histic Epipedon (A2)		ipped Matrix (S6)		Parent Material (TF2)
Black Histic (A3)		amy Mucky Mineral (F1) (except M	LRA 1) Other	(Explain in Remarks)
Hydrogen Sulfide (A4)		amy Gleyed Matrix (F2)		
Depleted Below Dark Surf.		pleted Matrix (F3)	1	
_ Thick Dark Surface (A12)	 _	dox Dark Surface (F6)		of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	_	pleted Dark Surface (F7)		d hydrology must be present.
Sandy Gleyed Matrix (S4)		dax Depressions (F8)	unless	disturbed or problematic.
estrictive Layer (if present)	:			
Туре:				V
Depth (inches):			Hydric Soil F	resent? Yes 📐 No
	, cae ace			
YDROLOGY				
YDROLOGY Vetland Hydrology Indicator		all that apply)	Second	dary Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicator Vrimary Indicators (minimum o		_		tary Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicator Irimary Indicators (minimum o Surface Water (A1)		Water-Stained Leaves (89) (sxc		ater-Stained Leaves (B9) (MLRA 1,
YDROLOGY Vettand Hydrology Indicator Irimary Indicators (minimum o Surface Water (A1) High Water Table (A2)		Water-Stained Leaves (B9) (sxc. 1, 2, 4A, and 4B)	ept MLRA Wa	nter-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
POROLOGY Tetland Hydrology Indicator Timary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3)		Water-Stained Leaves (89) (exc. 1, 2, 4A, and 4B) Salt Crust (B11)	ept MLRA Wa	nter-Stained Leaves (B9) (MERA 1, 4A, and 4B) ainage Patterns (B10)
/DROLOGY /etland Hydrology Indicator rimary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)		Water-Stained Leaves (89) (exc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	BPt MLRA Wa Dri Dri	ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2)
/DROLOGY /etland Hydrology Indicator //mary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)		Water-Stained Leaves (89) (exc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	BPI MLRA Wa Dri Dri Se	ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) ainage Pattems (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C
/DROLOGY /etland Hydrology Indicator //mary Indicators (minimum of particular (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)		Water-Stained Leaves (89) (exc. 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv	ept MLRA Wa Dri Dri Se ring Roots (C3) Ge	ater-Stained Leaves (B9) (MERA 1, 4A, and 4B) ainage Pattems (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (Comorphic Position (D2)
/DROLOGY /etland Hydrology Indicator //mary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)		Water-Stained Leaves (89) (exc. 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Live Presence of Reduced Iron (C4)	ppt MLRA Wa Dri Dri Sa ing Roots (C3) Ge Sh	ater-Stained Leaves (B9) (MERA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (Comorphic Position (D2) allow Aquitard (D3)
/DROLOGY /etland Hydrology Indicator //mary Indicators (minimum of particular (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)		Water-Stained Leaves (89) (exc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Titled S	ept MLRA War War Dri Dri Dri Se Se ing Roots (C3) Ge Sh ioils (C6) FA	eter-Stained Leaves (B9) (MERA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (Comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5)
/DROLOGY /ettand Hydrology Indicator rimary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	f one required, check	Water-Stained Leaves (89) (exc. 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Live Presence of Reduced Iron (C4)	ept MLRA War War Dri Dri Dri Se Se ing Roots (C3) Ge Sh ioils (C6) FA	ater-Stained Leaves (B9) (MERA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (Comorphic Position (D2) allow Aquitard (D3)
/DROLOGY /etland Hydrology Indicator //many Indicators (minimum of Surface Water (A1)	f one required, check	Water-Stained Leaves (89) (exc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Titled S	Dri	eter-Stained Leaves (B9) (MERA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (Comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5)
/DROLOGY /etland Hydrology Indicator //mary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	f one required, check	Water-Stained Leaves (89) (exc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1)	Dri	eter-Stained Leaves (B9) (MERA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (Comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (ERR A)
YDROLOGY Vetland Hydrology Indicator Inimary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeria Sparsely Vegetated Conca	f one required, check	Water-Stained Leaves (89) (exc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1)	Dri	eter-Stained Leaves (B9) (MERA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (Comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (ERR A)
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YDROLOGY Vetland Hydrology Indicator Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeria Sparsely Vegetated Concated Observations: Surface Water Present?	one required, check	Water-Stained Leaves (89) (exc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Titled S Stunted or Stressed Plants (D1) Other (Explain in Remarks) Depth (inches):	Dri	eter-Stained Leaves (B9) (MLRA 1, 4A, and 4B) ainage Pattems (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (Comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A)
YDROLOGY Vetland Hydrology Indicator Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeria Sparsely Vegetated Concated Observations: Surface Water Present?	one required, check It Imagery (B7) In Surface (B8) Yes No No	Water-Stained Leaves (89) (exc. 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Live Presence of Reduced Iron (C4) Recent Iron Reduction in Titled S Stunted or Stressed Plants (D1) Other (Explain in Remarks) Depth (inches):	spt MLRA Wa Dri Dri Se sing Roots (C3) Ge Sh soils (C6) FA (LRR A) Rs Fro	ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (Comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeris Sparsely Vegetated Concated Observations: Surface Water Present? Vater Table Present? Seturation Present?	one required, check Imagery (B7) Ive Surface (B8) Yes No Yes No	Water-Stained Leaves (89) (exc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1): Oxidized Rhizospheres along Live Presence of Reduced Iron (C4) Recent Iron Reduction in Titled S Stunted or Stressed Plants (D1) Other (Explain in Remarks) Depth (inches): Depth (inches):	ept MLRA Wa Dri Dri Se ring Roots (C3) Ge Sh soils (C6) FA (LRR A) Rs Fro Wettand Hydrology	eter-Stained Leaves (B9) (MLRA 1, 4A, and 4B) ainage Pattems (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (Comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A)
YDROLOGY Vetland Hydrology Indicator Primary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeria Sparsely Vegetated Concations: Surface Water Present? Vater Table Present? Includes capillary fringe)	one required, check Imagery (B7) Ive Surface (B8) Yes No Yes No	Water-Stained Leaves (89) (exc. 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Live Presence of Reduced Iron (C4) Recent Iron Reduction in Titled S Stunted or Stressed Plants (D1) Other (Explain in Remarks) Depth (inches):	ept MLRA Wa Dri Dri Se ring Roots (C3) Ge Sh soils (C6) FA (LRR A) Rs Fro Wettand Hydrology	ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (Comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
YDROLOGY Vetland Hydrology Indicator Primary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeria Sparsely Vegetated Concations: Surface Water Present? Vater Table Present? Vater Table Present? Includes capillary (ringe) Describe Recorded Data (streater)	one required, check Imagery (B7) Ive Surface (B8) Yes No Yes No	Water-Stained Leaves (89) (exc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1): Oxidized Rhizospheres along Live Presence of Reduced Iron (C4) Recent Iron Reduction in Titled S Stunted or Stressed Plants (D1) Other (Explain in Remarks) Depth (inches): Depth (inches):	ept MLRA Wa Dri Dri Se ring Roots (C3) Ge Sh soils (C6) FA (LRR A) Rs Fro Wettand Hydrology	ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (Comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
YDROLOGY Vetland Hydrology Indicator Primary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeria Sparsely Vegetated Concations: Surface Water Present? Vater Table Present? Includes capillary fringe)	one required, check Imagery (B7) Ive Surface (B8) Yes No Yes No	Water-Stained Leaves (89) (exc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1): Oxidized Rhizospheres along Live Presence of Reduced Iron (C4) Recent Iron Reduction in Titled S Stunted or Stressed Plants (D1) Other (Explain in Remarks) Depth (inches): Depth (inches):	ept MLRA Wa Dri Dri Se ring Roots (C3) Ge Sh soils (C6) FA (LRR A) Rs Fro Wettand Hydrology	ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (Comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
YDROLOGY Vetland Hydrology Indicator Primary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeria Sparsely Vegetated Concations: Surface Water Present? Vater Table Present? Vater Table Present? Includes capillary (ringe) Describe Recorded Data (streater)	one required, check Imagery (B7) Ive Surface (B8) Yes No Yes No	Water-Stained Leaves (89) (exc. 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1): Oxidized Rhizospheres along Live Presence of Reduced Iron (C4) Recent Iron Reduction in Titled S Stunted or Stressed Plants (D1) Other (Explain in Remarks) Depth (inches): Depth (inches):	ept MLRA Wa Dri Dri Se ring Roots (C3) Ge Sh soils (C6) FA (LRR A) Rs Fro Wettand Hydrology	ater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (Comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region City/County: CAUA Sampling Date I Applicant/Owner. Section, Township, Range. Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): ____ Subregion (LRR). NWI classification Are climatic / hydrologic conditions on the site typical for this time of year? Yes __K___ No (If no, explain in Remarks) significantly disturbed? Are "Normal Circumstances" present? Yes _ Are Vegetation _____. Soil _____, or Hydrology _____ Are Vegetation _____ Soil _____ or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Piot size Number of Dominant Species That Are OBL FACW or FAC Total Number of Dominant Species Across All Strata Percent of Dominant Species That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence index worksheet: Total % Cover of: **OBL** species **FACW species** FAC species = Total Cover **FACU species** UPL species Column Totals Prevalence Index = B/A = Hydrophytic Vegetation Indicators ___ Dominance Test is >50% Prevalence Index is \$3.01 · Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic _= Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? % Bare Ground in Herb Stratum Remarks

Sampling Point II6

Profile Description: (Describe to the de Depth <u>Matrix</u> (inches) <u>Color (moist)</u> %	Redox Features Color (moist) % Type Loc²	Texture	Remarks
0-7 loyo4/4			
7-11 104753	754PHH 2011		
711 1044B	Joyrdo		
	·		
Type: C=Concentration, D=Depletion, RI Hydric Soil Indicators: (Applicable to a	M=Reduced Matrix, CS=Covered or Coated Sand		n: PL=Pore Lining, M=Matrix. or Problematic Hydric Solis ³ :
•			•
Histosol (A1)	Sandy Redox (S5)	_	ck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except MLRA	_	ent Material (TF2)
Black Histic (A3) Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (E	xplain in Remarks)
Depleted Below Dark Surface (A11)	Coarry Gisyeo Marrix (F2) Depleted Matrix (F3)		
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators o	hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)		ydrology must be present.
Sandy Glayed Matrix (S4)	Redox Depressions (F8)		sturbed or problematic.
Restrictive Layer (if present):		J.11000 W.	
Type:			
			
Depth (inches):		Hydric Soil Pre	sent? Yes No 🔨
Wetland Hydrology Indicators:	ed; check all that apply)	Secondar	y Indicators (2 or more required)
Netland Hydrology Indicators:	ed; check all that apply) Water-Stained Leaves (89) (except !		
Wetland Hydrology Indicators: Primary Indicators (minimum of one requir		MLRA Water	
Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1)	Water-Stained Leaves (B9) (except I	MLRA Wate	r-Stained Leaves (B9) (MLRA 1, 2,
Netland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (89) (except I 1, 2, 4A, and 4B)	MLRA Wate 4A Drain	r-Stained Leaves (B9) (MLRA 1, 2, ,, and 4B)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (89) (except f 1, 2, 4A, and 4B) Salt Crust (811)	MLRA Water 4A Drain Dry-S	r-Stained Leaves (B9) (MLRA 1, 2, ,, and 4B) age Patterns (B10) eason Water Table (C2)
Netland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	Water-Stained Leaves (89) (except f 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	MLRA Water 4A Drain Dry-S Satur	r-Stained Leaves (B9) (MLRA 1, 2, ,, and 4B) age Patterns (B10) eason Water Table (C2)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Leaves (89) (except for 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living for 1	MLRA Water 4A Drain Dry-S Satur Roots (C3) Geom	r-Stained Leaves (B9) (MLRA 1, 2, ,, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (89) (except for 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living for Presence of Reduced iron (C4)	MLRA Water 4A Drain Dry-S Satur Roots (C3) Geom Shalld	r-Stained Leaves (B9) (MLRA 1, 2, ,, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) ow Aquitard (D3)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Water-Stained Leaves (89) (except for 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living for Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils	MLRA Water 4A Drain Dry-S Satur Roots (C3) Geom Shallo (C6) FAC-	r-Stained Leaves (B9) (MLRA 1, 2, ,, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) ow Aquitard (D3) Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	Water-Stained Leaves (89) (except for 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living for Presence of Reduced from (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LRF	MLRA Water 4A Drain Dry-S Satur Roots (C3) Geom Shalld (C6) FAC-IR A) Raise	r-Stained Leaves (B9) (MLRA 1, 2, ,, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) ow Aquitard (D3)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Water-Stained Leaves (89) (except for 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living for Presence of Reduced fron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LRF	MLRA Water 4A Drain Dry-S Satur Roots (C3) Geom Shalld (C6) FAC-IR A) Raise	r-Stained Leaves (B9) (MLRA 1, 2, ,, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) ow Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface	Water-Stained Leaves (89) (except for 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living for Presence of Reduced fron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LRF	MLRA Water 4A Drain Dry-S Satur Roots (C3) Geom Shalld (C6) FAC-IR A) Raise	r-Stained Leaves (B9) (MLRA 1, 2, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) ow Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A)
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Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present?	Water-Stained Leaves (89) (except for 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living for Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts Stunted or Stressed Plants (D1) (LRF Other (Explain in Remarks) (88) No Depth (inches):	MLRA Water 4A Drain Dry-S Satur Roots (C3) Geom Shallo (C6) FAC-IR A) Raise Frost-	r-Stained Leaves (B9) (MLRA 1, 2, 5, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9) norphic Position (D2) ow Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Ves Nater Table Present? Yes Saturation Present?	Water-Stained Leaves (89) (except for 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living for Presence of Reduced fron (C4) Recent Iron Reduction in Tilled Solls Stunted or Stressed Plants (D1) (LRF) Other (Explain in Remarks) (88) No Depth (inches):	MLRA Water 4A Drain Dry-S Satur Roots (C3) Geom Shalld (C6) FAC-IR A) Raise	r-Stained Leaves (B9) (MLRA 1, 2, 5, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9) norphic Position (D2) ow Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes Includes capillary fringe)	Water-Stained Leaves (89) (except for 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living for Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts Stunted or Stressed Plants (D1) (LRF Other (Explain in Remarks) (88) No Depth (inches):	MLRA Water 4A Drain Dry-S Satur Roots (C3) Geom Shalld (C6) FAC-IR A) Raise Frost- Vetland Hydrology Pr	r-Stained Leaves (B9) (MLRA 1, 2, 5, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9) norphic Position (D2) ow Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Companies) Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Includes capillary fringe)	Water-Stained Leaves (89) (except for 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living for Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LRF Details) Other (Explain in Remarks) No Depth (inches): No Depth (inches):	MLRA Water 4A Drain Dry-S Satur Roots (C3) Geom Shalld (C6) FAC-IR A) Raise Frost- Vetland Hydrology Pr	r-Stained Leaves (B9) (MLRA 1, 2, 5, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9) norphic Position (D2) ow Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes includes capillary fringe) Describe Recorded Data (stream gauge, no	Water-Stained Leaves (89) (except for 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living for Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts Stunted or Stressed Plants (D1) (LRF Depth (inches): No Depth (inches):	MLRA Water 4A Drain Dry-S Satur Roots (C3) Geom Shalle (C6) FAC-RA) Raise Frost- Vetland Hydrology Pross, if available.	r-Stained Leaves (B9) (MLRA 1, 2, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) ow Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes Includes capillary fringe) Describe Recorded Data (stream gauge, no	Water-Stained Leaves (89) (except for 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living for Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts Stunted or Stressed Plants (D1) (LRF Depth (inches): No Depth (inches):	MLRA Water 4A Drain Dry-S Satur Roots (C3) Geom Shalle (C6) FAC-RA) Raise Frost- Vetland Hydrology Pross, if available.	r-Stained Leaves (B9) (MLRA 1, 2, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) ow Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Importance Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface Surface Water Present? Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Describe Recorded Data (stream gauge, no	Water-Stained Leaves (89) (except for 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living for Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LRF Details) Other (Explain in Remarks) No Depth (inches): No Depth (inches):	MLRA Water 4A Drain Dry-S Satur Roots (C3) Geom Shalle (C6) FAC-RA) Raise Frost- Vetland Hydrology Pross, if available.	r-Stained Leaves (B9) (MLRA 1, 2, and 4B) age Patterns (B10) eason Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) ow Aquitard (D3) Neutral Test (D5) d Ant Mounds (D6) (LRR A) Heave Hummocks (D7)
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WETLAND DETER				tains, Valleys, and Coast Region
Project/Site: 422		Citv	County C10	UCCO Sampling Date TTA
	528			State Sampling Point 3.18.10
2011	215	Sec	tion Township Ran	ge
nvestigator(s)	2000		cal relief (concave, c	onvex, none). FOLL Slope (%)
andlorm (hillslope, terrace, etc.):	7	Lat	•	Long Datum.
Subregion (LRR): BURE	LIGHAN			NWI classification.
Soil Map Unit Name	CALL		You X No	(If on explain in Remarks)
Are climatic / hydrologic conditions on the	site typical for this ti	me or year?	185 NO	Normal Circumstances* present? Yes No
Are Vegetation Soil ar H	iydrologysigr	hiticantly dis		eded, explain any answers in Remarks.)
Are Vegetation Soil, or F	lydrology nat	urally proble		
SUMMARY OF FINDINGS - At	tach site map sh	nowing sa	ampling point ic	ocations, transects, important features, etc.
	Yes X No			,
Hydrophytic Vegetation Present?	Yes X No		is the Sampled within a Wetlan	. Y
Hydric Soil Present? Wetland Hydrology Present?	Yes X No		Within a Wellan	
Remarks:				•
VEGETATION - Use scientific	names of plants	5. - 		Dominance Test worksheet:
101		Absolute 1 % Cover 3	Dominant Indicator Species? Status	
Tree Stratum (Plot size	 '			That Are OBL, FACW, or FAC. (A)
2				Total Number of Dominant
3				Species Across All Strata (B)
4				Percent of Dominant Species 751. (A/B)
			= Total Cover	That Are OBL. FACW, or FAC (A/B)
Sapling/Shrub Stratum (Plot size				Prevalence Index worksheet:
1				Total % Cover of Multiply by
2				OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
5			= Total Cover	FACU species x 4 =
Herb Stratum (Piol size		20	x FAC	UPL species x 5 =
FESTUCA CUDI		A0	V FA	
3 Hillanastisi	ACICATA	30	K HACI	Prevalence Index = B/A =
3 Aburtulus	- 2010	30	× fac	Hydrophytic Vegetation Indicators:
TOTICO ALE		10	TAC.	Dominance Test is >50%
	POLATA	5	fac	Prevalence Index is ≤3.0'
1 TRIFOLLUM 3		9	[]3C	Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet)
. D. ClomerATA		_5_	FBCL	Welland Non-Vascular Plants
9				Problematic Hydrophytic Vegetation (Explain)
10				- Indicators of hydric soil and wetland hydrology must
11		_ •	<u> </u>	be present, unless disturbed or problematic.
\ \			= Total Cover	
Woody Vine Stratum (Plot size)			Hydrophytic
1				Vegetation
2			= Total Cover	Present? Yes No
% Bare Ground in Herb Stratum				
Remarks				

Profile Description: (Describe to the dep		
	th needed to document the indicator or confirm	Sampling Point:
Matrix	Redox Features	the absence of indicators.)
(inches) Color (moist) %	Color (moist) % Type Loc ²	Remarks
10 15 15 15 15		
0-10 101633	101h3/4 10·1.	
	10184716 5	
710 UN513	10000110 201	
	117125110 2001	
	took to to bo .	
		
		
Type: C=Concentration, D=Depletion, RM=	Reduced Matrix, CS=Covered or Coaled Sand Gra	sins. ² Location: PL=Pore Lining, M=Matrix.
TAND SON MORESTORS. (Applicable to MI) L	RKS, unless otherwise noted.)	indicators for Problematic Hydric Soils ³ :
Histosol (A1) Histic Epipedon (A2)	Sandy Redox (S5)	2 cm Muck (A10)
Black Histic (A3)	Stripped Matrix (S6)	Red Parent Material (TF2)
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F8)	31-45-45
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	Indicators of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	watland hydrology must be present, unless disturbed or problematic.
estrictive Layer (if present):		arrived distributed of problematic.
Type:		
Depth (inches):	_	Hydric Soll Present? Yes X No
AND AREA OF THE PROPERTY AND ADDRESS OF THE PARTY OF THE		
etland Hydrology Indicators:		
etland Hydrology Indicators: imary Indicators (minimum of one required: c		Secondary indicators (2 or more required)
etland Hydrology Indicators: imary Indicators (minimum of one required: c Surface Water (A1)	Water-Stained Leaves (89) (except MLRA	Secondary indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2
etland Hydrology Indicators: imary Indicators (minimum of one required: c _ Surface Water (A1) _ High Water Table (A2)	Water-Stained Leaves (89) (except MLRA 1, 2, 4A, and 4B)	
etland Hydrology Indicators: imary Indicators (minimum of one required; of Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (89) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10)
etland Hydrology Indicators: imany Indicators (minimum of one required; of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	Water-Stained Leaves (89) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
etland Hydrology Indicators: imary Indicators (minimum of one required; of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (89) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Suifide Odor (C1)	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainege Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C1)
etland Hydrology Indicators: imary Indicators (minimum of one required; c Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Leaves (89) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots	Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainege Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C1) (C3) Geomorphic Position (D2)
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WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site _ Applicant/Owner. Section, Township, Range. Investigator(s) ___ Slope (%) Landform (hillslope, terrace, etc.). Local relief (concave, convex, none). ____ Lat Subregion (LRR). ____ NWI classification. ___ Soil Map Unit Name _____ Are climatic / hydrologic conditions on the site typical for this time of year? Yes __ (If no, explain in Remarks.) Are Vegetation _____. Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _ Are Vegetation _____ Soil _____ or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area _ No Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: VEGETATION – Use scientific names of plants. Dominance Test worksheet: Absolute Dominant Indicator Tree Stratum (Plot size _____) % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC. Total Number of Dominant Species Across All Strata Percent of Dominant Species __ = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size: Prevalence Index worksheet: Total % Cover of Multiply by OBL species **FACW** species **FAC species** FACU species = Total Cover UPL species Column Totals Prevalence Index = B/A = Hydrophytic Vegetation Indicators: X Dominance Test is >50% Prevalence Index is \$3.0 · Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic = Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Yes X No___ Present? ____ = Total Cover % Bare Ground in Herb Stratum Remarks

OIL	•	Sampling Point:
Profile Description: (Describ	e to the depth needed to document the indicator or	confirm the absence of indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist)	% Color (moist) % Type'	Loc ² Texture Remarks
TO TRIDIALS		
	2	
712 104/1012	h 15UP+16 201.	MAU
	100000000000	
·		
	epletion, RM=Reduced Matrix, CS=Covered or Coated S	
•	icable to all LRRs, unless otherwise noted.)	indicators for Problematic Hydric Solis':
Histosot (A1) Histic Epipedon (A2)	Sandy Redox (S5) Stripped Matrix (S6)	2 cm Muck (A10)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except M	Red Parent Material (TF2) ILRA 1) Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surfa	ice (A11) Depleted Matrix (F3)	•
_ Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
_ Sandy Mucky Mineral (S1)	<u> </u>	wetland hydrology must be present.
Sandy Gleyed Matrix (S4) estrictive Layer (if present):	Redox Depressions (F8)	uniess disturbed or problematic.
• • •		
Туре:		14.44.5.11.5.1.1.1.1.1.1.1.1.1.1.1.1.1.1
Dooth (inchast):		
Depth (inches):	la groy Theen C	Hydric Soll Present? Yes K No
rdrology		
/DROLOGY		uose to 3/2
PROLOGY /etland Hydrology Indicators	s: one required; check all that apply)	Secondary Indicators (2 or more required)
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WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site: __A2Z Applicant/Owner MOKULS Section, Township, Range: _ investigator(s): ___ Local relief (concave, convex, none): ______ Slope (%). ____ Landform (hillslope, terrace, etc.) ____ Long: ____ Lat Subregion (LRR): ___ Soil Map Unit Name BOU LA OLOUN ___ NWI classification. ___ No (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes _ _ No K Are Vegetation _____. Soil _____, or Hydrology _____ significantly disturbed? Are Vegetation ______ Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Plot size Number of Dominant Species That Are OBL, FACW, or FAC. Total Number of Dominant Species Across All Strata: Percent of Dominant Species ____ = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size _____) Prevalence Index worksheet: Multiply by: Total % Cover of OBL species FACW species ____ x 2 = ____ __ x3= FAC species FACU species = Total Cover Herb Stratum , (Plot size UPL species _____x5=,_____ (A) _____(B) Column Totals. Prevalence Index # B/A # _ Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is \$3.01 Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Woody Vine Stratum (Plot size: ____ Hydrophytic Vegetation Present? % Bare Ground in Herb Stratum "GLEENEL", HIGHER STOCK STAND

Western Mountains, Valleys, and Coast - Interim Version

SOIL				•	Sampling Point IIIA3
Profile Description: (Describe to the dept			or confirm	the absence of	Indicators.)
Depth Matrix (inches) Color (moist) %	Redox Feature Color (moist) %		Loc²	Texture	Remarks
0-12 104h313 10	<u>0-1-</u>	· —			
712 loups12	1047516 7.1 1047414 3	i			day
Type: C=Concentration, D=Depletion, RM=	Reduced Matrix, CS=Covere	d or Coal	ed Sand Gr		tion: PL=Pore Lining, M=Matrix
Hydric Soil Indicators: (Applicable to all I Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4)	Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F Loamy Gleyed Matrix (F	1) (excep	(MLRA 1)	2 cm Red F	s for Problematic Hydric Solls ³ : Muck (A10) Parent Material (TF2) (Explain in Remarks)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (Redox Depressions (F8)	F7)		welland	s of hydrophytic vegetation and d hydrology must be present, disturbed or problematic.
Restrictive Layer (If present): Type: Depth (inches):				Hydric Soil P	resent? Yes No X
HYDROLOGY Wetland Hydrology Indicators:					
Primary Indicators (minimum of one required	check all that apply)			Second	dary Indicators (2 or more required)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B5) Sparsely Vegetated Concave Surface (I	Water-Stained Lea 1, 2, 4A, and 4E Salt Crust (B11) Aquatic invertebrat Hydrogen Sulfide C Oxidized Rhizosph Presence of Reduct Recent Iron Reduct Stunted or Stresse Other (Explain in Red	es (B13) Odor (C1) eres along ed Iron (C tion in Tilli d Plants (I	Living Roo 4) ed Solls (C6	Dri Dri Sa pis (C3) Ge Sh FA Ra	ster-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) turation Visible on Aerial Imagery (C9) comorphic Position (D2) allow Aquitard (D3) (C-Neutral Test (D5) cised Ant Mounds (D6) (LRR A) cost-Heave Hummocks (D7)
fincludes capillary frings)	No Depth (inches):	יירו			Present? Yes No X
Describe Recorded Data (stream gauge, mo	initoring well, aerial photos, p	eti	ispections).	tion	rhere from

CatyCounty CAAATA Sampling Date TAAATA Sampling Date TAAATA Sampling Point State State Sampling Point State Sta	WETLAND DETERMINATION DATA	A FORM V	Vestern Mount	ains, Valleys, and Coast Region
State Sampling Point Special Convert PDD (19) State Sampling Point Special Convert PDD (19) State State Point Stat	107	City (C	CIAI	Sampling Date TITA4
Section. Township. Range sendorm (hillstope terrace. sic)	OLECT/SILE	City/Ci		
Vesignations Some 1% S	pplicant/Owner			
Long: NWI classification Agultanian NWI classification NWI classif	Vestigetion(a)	Section	m, rownship, rengi	Slope (%) 50
New Classification Continue of the site lybest for the sime of Learn? Yes No (In o. septain in Remarks) New Vegetation Soil or Hydrology Geginfamily disturbe? Are 'Normal Circumstances' present? Yes No (In o. septain in Remarks) New Vegetation Soil or Hydrology Geginfamily disturbe? Are 'Normal Circumstances' present? Yes No (In receded, explain any answers in Remarks) No New Vegetation Soil Or Hydrology Provided Provi				Datum
According to the Name (Plot size of Hydrology Conditions on the site hydrology (significantly disturbed)	Optication (CKX).	1 1	<u>~</u>	, orig
ve Vegetation Soil or Hydrology Seginificantly disturbed? Are Normal Circumstances present? We Vegetation Present? If needed sexials any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Is the Sampled Are within a Wetland? Yes No No Wetland Hydrology Present? Yes No No No Hydrology Present? Status No No No Hydrology Present No	oil Map Unit Name	تكسمه		
Very expellation	re climatic / hydrologic conditions on the site typical for this t	ime of year? Y	es No	— (II no. explain in Nemant 2 Yes
Soli or Hydrologynaturally problematic /_ (in nesses, explain any internal any protein protein features, etc. SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transacts, important features, etc. Hydrology fic vegetation Present?	re Vegetation Soil or Hydrologysig	nificantly distur		
Summary OF FINDINGS — Attach site map showing sampling point locations, transacts, important reatures, etc. Hydrophytic Vegetation Present? Yes No within a Wetland? Yes No within a Wetland? Yes No within a Wetland? Yes No Dominant Teatures, etc. Hydrophytic Vegetation Present? Yes No within a Wetland? Yes No	so Vegetation Soil or Hydrology nat	turally problem:	alic7 (ii neet	·
Hydrophylic Vegetalion Present?	SUMMARY OF FINDINGS - Attach site map s	howing san	npling point lo	cations, transects, important features, etc.
Wetland Present? Yes No Within a Wetland? Yes No No Wetland Present? Yes No Wetland Present Yes No Wetland Present? Yes No Wetland Present? Yes No Wetland Present? Yes No Wetland Present? Yes No Wetland?			}	<i>i</i> [-
VEGETATION - Use scientific names of plants. VEGETATION - Use scientific names of plants. Tree Stratum (Plot size	riyatophytis vegetement	\	· ·	Y
Remarks HDC ID! W Saturation VEGETATION - Use scientific names of plants. Iree Stratum (Plot size	Hydric Soil Present?		Mithiu 3 Matigue	165_/
VEGETATION - Use scientific names of plants. Assolute Dominant Indicator Number of Dominant Species That Are OBL. FACW, or FAC Land Are	On-order			
Absolute Dominant Indicator Species Status Dominant Indicator Species Species Status Species Species Species Species	thow 12" WI south	wate	<u> </u>	
Absolute Dominant Indicator Species 7 Sistus Species 7 Sistus Number of Dominant Species That Are OBL FACW, or FAC	TAPO 10 10			
Tree Stratum (Plot size Microver Species? Status Status Species S	VEGETATION – Use scientific names of plant			Dominance Test worksheet:
That Are OBL. FACW, or FAC (A) Total Number of Dominant Species That Are OBL. FACW, or FAC (A) Septing/Shrub Stratum (Piot size (B) Septing/Shrub Stratum (Piot size (Prevalence Index worksheet: Total % Cover of (Multiply by OBL species (A) Frevalence Index worksheet: Total % Cover of (Multiply by OBL species (A) FACW species (A)				i i
Species Across All Stratus Continuent Species Specie	Tree Stratum (Fibi size			That Are OBL, FACW, or FAC. (A)
Septing/Shrub Stratum (Plot size				Total Number of Dominant
Septing/Shrub Stratum (Plot size Provide Court Provide Stratum (Plot size Provide Court Provide Cour	3			Species Across All Strata (B)
Sapting/Shrub Stratum (Plot size Float Cover Frevalence Index worksheet: Total % Cover of Multiply by OBL species X 1 2				
Total % Cover of Multiply by OBL species		= = 1	fotal Cover	That Are OBL. FACW, or FAC
OBL species				
FACW species 10 x2 = 30 FAC species 40 x3 = 120 FAC species 40 x3 = 120 FACU species 30 x4 = 120 FACU species 25 x5 = 175 FACU species 27 x5 = 175 FACU species 30 x4 = 120 FACU species 40 x3 = 120 FACU species 40 x4 =				1010 10 0010.0.
FAC species	2			
Solution Fact Solution Fact Solution Fact Solution Fact Solution Fact Solution Fact Fact Solution Fact Fact Solution Fact Fac				40
High Stratum Plot size 20	5			30 130
September Plot size 1			Total Cover	26
2 Prevalence Index = B/A = 3.7 3 LYULGACE 4 DAUCUS CACOTA 5 VICLA HUSUTTA 6 HUDCHARICE TAUCATA 10 HC 7 PLYTIAGO IACCOLATA 10 FACU 8 BARROLLUS SADO 10 FINA 9 TEFOILLUM SADO 10 VINDER HYDROPHYTIC Vegetation indicators: - Dominance Test is >50% - Prevalence Index is \$3.0' - Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants' - Problematic Hydrophytic Vegetation' (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Woody Vine Stratum 1		30	x FACU	
Hydrophytic Vegetation Indicators: Dominance Test is >50%	Hola GOATIE	90_	K FAC	27
Dominance Test is >50% VICLA hUSUTA HTC Prevalence Index is \$3.0' Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) REPORTED TO THE SPP ID FOR TH	2 TOTAL STATE	30_	K UDL	
FOUNDATION AND ATA III FACU Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 8 BACUCULUS SOO III FACU Wetland Non-Vascular Plants 9 TEFOTILLM SOO IIII FACU Problematic Hydrophytic Vegetation (Explain) 10 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		_ <i>2</i> 0 _	X ENUL	
6 HUDOLANIA TABILATA 7 PLANAGO LACCOLATA 8 BACULLUS SPA 10 FACULLUS SPA 11 FACULLUS SPA 10 FOOTENAIRS Metiand Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) 11 FACULLUS SPA 10 FOOTENAIRS Metian Metiand hydrology must be present, unless disturbed or problematic. Woody Vine Stratum (Plot size Footenairs) 11 FACULLUS SPA 10 FACULLUS SPA 11 FACULLUS SPA 12 FOOTENAIRS Metian Non-Vascular Plants Problematic Hydrophytic Vegetation Vegetation Present? Yes No K No K 12 FOOTENAIRS No K No FOOTENAIRS N	S VICLA HICGUTA	_ <u>-5</u>		
data in Remarks or on a separate sneet) 8	6 HUDOCHARICE PADICATA	_ <u>ـ ليّ</u> _		Morphological Adaptations' (Provide supporting
Welland Non-Vascular Falls 9 TOFOTILLM SPP ID FINANCE Specific Sp	PHOTAGO LAMESTA	 _	<u> </u>	data in Remarks or on a separate sneet)
10 'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Woody Vine Stratum (Plot size) 1 = Total Cover	8 Barunculus spp	_ <u>_H</u>		Welland Non-Vascular Plants
be present, unless disturbed or problematic. Woody Vine Stratum (Plot size) Hydrophytic Vegetation Present? Yes No X	. Terforium spp	_ <u> </u>		Problematic Hydrophytic Vegetation (Explain)
### Total Cover Woody Vine Stratum (Plot size)	10			Indicators of hydric soil and wetland hydrology must
1 2 = Total Cover Yes No X Wegetation Present? Yes No X	11		Total Cover	ou prosont amount
1 2 = Total Cover Yes No X Wegetation Present? Yes No X	Woody Vine Stratum (Plot size)			
2 = Total Cover Present? Yes No				Vegetation
% Bare Ground in Herb Stratum 5.(= Total Cover				
	ري م		Total Cover	
Remarks				
	Remarks			

OIL							Ģ.	impling Point:	
Profile Description: (Describ	e to the dapth n	eeded to docum	ent the in	ndicator (or confirm	n the absent	ce of indicato	rs.)	
Depth Matrix			k Features						
(inches) Color (moist)	%	Color (moist)	<u> </u>	Туре'	Loc2	Texture	-	Remarks	
A IN THURSTO	1 TALT								
n-in inkly:	5 _7/0.T·	·							
= 71 Teny co	-								
711" <u>10040</u>	သ <u></u> ျ	DIAMO	3b	<u>. </u>			<u> </u>	<u>Pru</u>	
		<u> </u>						1	
									-
Type. C=Concentration, D≈D	enletion RMsRer	duced Matrix, CS		or Costs	d Sand G		ocation: PL=	Pore Lining, M	Malex
Hydric Soil Indicators: (App					u Sanu Gi			lematic Hydri	
Histosot (A1)		Sandy Redox (S	S 5)				cm Muck (A10	•	
Histic Epipedon (A2)		Stripped Matrix				R	ed Parent Mat	·	
Black Histic (A3)	_	Loamy Mucky M			MLRA 1	0	ther (Explain i	n Remarks)	
Hydrogen Sulfide (A4)		Loamy Gleyed N		1					
Depleted Below Dark Surf Thick Dark Surface (A12)	ace (ATT)	Depleted Matrix Redox Dark Sur				³ lndica	ators of hydror	nytic vegetatio	n and
Sandy Mucky Mineral (S1)	,	Depleted Dark S	•	7)				y must be pres	
Sandy Gleyed Matrix (S4)		Redox Depressi	ions (F8)					or problematic	
Restrictive Layer (if present)									
Type:	·					1			(,
Depth (inches).		-				Hydric So	oli Present?	Yes	No K
Depth (inches). Remarks YDROLOGY	8					Hydric Se	oli Present?	Yes	No K
Depth (inches). Remarks YDROLOGY Wetland Hydrology Indicator		eck all that apply							No K
Depth (inches). Remarks YDROLOGY Wetland Hydrology Indicator Primary Indicators (minimum o				es (89) (e:	xcept ML	Sec	condary Indica	tors (2 or more d Leaves (B9)	
Depth (inches). Remarks YDROLOGY Wetland Hydrology Indicator		Water-Stai			xcept ML	Sec	condary Indica	tors (2 or more d Leaves (89)	
Depth (inches). Remarks YDROLOGY Wetland Hydrology Indicator Primary Indicators (minimum o Surface Water (A1)		Water-Stai	ned Leave ., an d 4B)		xcept ML	Sec	condary Indica Water-Staine	tors (2 or more d Leaves (B9)	
Depth (inches). Remarks YDROLOGY Netland Hydrology Indicator Primary Indicators (minimum.o Surface Water (A1) High Water Table (A2)		Water-Stai 1, 2, 4A	ned Leave ., and 4B) (B11)		xcept ML	Sec	condary Indica Water-Staine 4A, and 4 Drainage Pal	tors (2 or more d Leaves (B9)	(MLRA 1,
Primary Indicators (Minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)		Water-Stail 1, 2, 4A Salt Crust in Aquatic inv Hydrogen	ned Leave ., and 4B) (B11) vertebrates Sulfide Od	s (B13) for (C1)		Şe;	Condary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vi	tors (2 or more d Leaves (B9) B) terns (B10) Water Table (C sible on Aerial	(MLRA 1,
Pepih (inches). Remarks YDROLOGY Netiand Hydrology Indicator Primary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)		Water-Stai 1, 2, 4A Saft Crust i Aquatic inv Hydrogen i Oxidized R	ned Leave ., and 4B) (B11) vertebrates Sulfide Od thizospher	s (B13) for (C1) es along l	Living Roo	Sec RA	Condary Indica Water-Staine 4A, and 4 Drainage Pat Dry-Season V Saturation Vi Geomorphic	tors (2 or more d Leaves (B9) B) terns (B10) Water Table (C sible on Aerial Position (D2)	(MLRA 1,
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Pepih (inches). Remarks YDROLOGY Netland Hydrology Indicator Primary Indicators (minimum.o. Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeria Sparsely Vegetated Concations: Surface Water Present? Nater Table Present? Saturation Present?	in imagery (B7) ave Surface (B8) Yes No Yes No Yes No	Water-Stai 1, 2, 4A Salt Crust in Aqualic inv Hydrogen in Oxidized R Presence of Recent Iron Stunted or Other (Exp Depth (inc	ned Leave , and 4B) (B11) /ertebrates Sulfide Od hizospheriof Reduced n Reduction Stressed Idain in Rer ches).	is (B13) for (C1) es along d iron (C4 on in Tilled Plants (D marks)	Living Root d Soils (Ct 1) (LRR A	RA — ols (C3) — 6) — land Hydrold	Dondary Indica Water-Staine 4A, and 4 Drainage Pal Dry-Season V Saturation VI Geomorphic Shallow Aqui FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more d Leaves (B9) B) tterns (B10) Water Table (C) sible on Aerial Position (D2) tard (D3) Test (D5) founds (D6) (L) Hummocks (D	(MERA 1, 12) Imagery (C RR A) 7)
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Pepth (inches). Remarks YDROLOGY Wetland Hydrology Indicator Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeria Sparsely Vegetated Concated Observations: Surface Water Present? Water Table Present? Saturation Present? Includes capillary fringe) Describe Recorded Data (streat	in imagery (B7) ave Surface (B8) Yes No Yes No Yes No	Water-Stai 1, 2, 4A Salt Crust in Aqualic inv Hydrogen in Oxidized R Presence of Recent Iron Stunted or Other (Exp Depth (inc	ned Leave , and 4B) (B11) /ertebrates Sulfide Od hizospheriof Reduced n Reduction Stressed Idain in Rer ches).	is (B13) for (C1) es along d iron (C4 on in Tilled Plants (D marks)	Living Root d Soils (Ct 1) (LRR A	RA — ols (C3) — 6) — land Hydrold	Dondary Indica Water-Staine 4A, and 4 Drainage Pal Dry-Season V Saturation VI Geomorphic Shallow Aqui FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more d Leaves (B9) B) tterns (B10) Water Table (C) sible on Aerial Position (D2) tard (D3) Test (D5) founds (D6) (L) Hummocks (D	(MERA 1, 12) Imagery (C RR A) 7)
Pepih (inches). Remarks YDROLOGY Wetland Hydrology Indicator Primary Indicators (minimum.o. Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeria Sparsely Vegetated Concations: Surface Water Present? Water Table Present? Saturation Present?	in imagery (B7) ave Surface (B8) Yes No Yes No Yes No	Water-Stai 1, 2, 4A Salt Crust in Aqualic inv Hydrogen in Oxidized R Presence of Recent Iron Stunted or Other (Exp Depth (inc	ned Leave , and 4B) (B11) /ertebrates Sulfide Od hizospheriof Reduced n Reduction Stressed Idain in Rer ches).	is (B13) for (C1) es along d iron (C4 on in Tilled Plants (D marks)	Living Root d Soils (Ct 1) (LRR A	RA — ols (C3) — 6) — land Hydrold	Dondary Indica Water-Staine 4A, and 4 Drainage Pal Dry-Season V Saturation VI Geomorphic Shallow Aqui FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more d Leaves (B9) B) tterns (B10) Water Table (C) sible on Aerial Position (D2) tard (D3) Test (D5) founds (D6) (L) Hummocks (D	(MERA 1, 12) Imagery (C RR A) 7)

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site State. ____ Sampling Point. 1 Applicant/Owner. __ Section, Township, Range. Local relief (concave, convex, none). ____ Landform (hillslope, terrace, etc.) Dalum: Subregion (LRR). NWI classification. Soil Map Unit Name No. (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes _ _ sgnificantly disturbed? Are Vegetation _____. Soil _____, or Hydrology _____ Are Vegetation ______ Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? No is the Sampled Area Hydric Soil Present? No_ within a Wetland? Wetland Hydrology Present? Remarks: VEGETATION - Use scientific names of plants. Dominance Test worksheet: Absolute Dominant Indicator % Cover Species? Status Tree Stratum (Plot size Number of Dominant Species That Are OBL FACW or FAC Total Number of Dominant Species Across All Strata Percent of Dominant Species = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size _____) Prevalence Index worksheet: Total % Cover of Multiply by OBL species FACW species _ FAC species FACU species = Total Cover Column Totals (A) (B) Prevalence Index = B/A = ___ Hydrophytic Vegetation Indicators: __ Dominance Test is >50% Prevalence Index is ≤3.0° _ Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. = Total Cover Woody Vine Stratum (Plot size _ Hydrophytic Vegetation Present? ____ = Total Cover % Bare Ground in Herb Stratum Remarks

Profile Description: (Describe to the	<u>-</u>		•
Depth <u>Matrix</u> (inches) <u>Color (moist)</u> %	Redox Features Color (moist) % Type Loc2	Texture	Remarks
)-12 TUM03 TO	DI		CIPY WAM
713 IOURSIA -	- INVEHICO 16-1-		agu
ype: C=Concentration, D=Depletion, F	RM=Reduced Matrix, CS=Covered or Costed Sand Gr	ains. ² Locat	on: PL=Pore Lining, M=Matrix.
ydric Soil Indicators: (Applicable to			for Problematic Hydric Solis':
_ Histosol (A1)	Sandy Redox (S5)	2 cm k	fuck (A10)
_ Histic Epipedon (A2)	Stripped Matrix (S6)	Red P	arent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other	(Explain in Remarks)
_ Hydrogen Sulfide (A4)	Loamy Glayed Matrix (F2)		•
_ Depleted Below Dark Surface (A11)			
_ Thick Dark Surface (A12)	Redox Dark Surface (F6)		of hydrophytic vegetation and
_ Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)		hydrology must be present.
Sandy Gleyed Matrix (S4) estrictive Layer (If present):	Redox Depressions (F8)	uniesa (fisturbed or problematic.
SUICUVE LAVET III DIESENTI.			
_ ` ` ` ` ` `			
Туре:			,
Type:		Hydric Soli Pr	resent? Yes No
Type:		Hydric Soli Pr	resent? Yes No
Type:		Hydric Soli Pr	resent? Yes No
Type:	ired, check all that apply)		
Type:		Seconda	ary Indicators (2 or more required
Type:	uired, check all that apply) Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B)	Seconda	ary Indicators (2 or more required er-Stained Leaves (89) (MLRA 1
Type:	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B)	Seconda A Wal	ary Indicators (2 or more required er-Stained Leaves (B9) (MLRA 1 A, and 4B)
Type:	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11)	Seconda A Wal	ary Indicators (2 or more required er-Stained Leaves (B9) (MLRA 1 IA, and 4B) nage Patterns (B10)
Type:	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Seconds A Was Drain Dry	ary Indicators (2 or more required er-Stained Leaves (B9) (MLRA 1 A, and 4B) nage Patterns (B10) Season Water Table (C2)
Type:	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Seconda A Wal Dra Dry Sati	ary Indicators (2 or more required er-Stained Leaves (B9) (MLRA 1 A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery
Type:	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo	Secondo A Wal Dra Dry Sale S (C3) Geo	er-Stained Leaves (B9) (MLRA 1 A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery morphic Position (D2)
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Type:	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks)	Seconda A Wal Drai Dry Sala Sha FAC Rais	ary Indicators (2 or more required er-Stained Leaves (B9) (MLRA 1 A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery morphic Position (D2) flow Aquitard (D3)
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Type:	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B8) No Depth (inches)	Seconds A Wal Dra Dry Sali S(C3) Gec Sha FAC Raid	ary Indicators (2 or more required er-Stained Leaves (B9) (MLRA 1 A, and 4B) nage Patterns (B10) Season Water Table (C2) tration Visible on Aerial Imagery morphic Position (D2) flow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) st-Heave Hummocks (D7)
Type:	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B8) No Depth (inches)	Seconds A Wal Dra Dry Sali S(C3) Gec Sha FAC Raid	ary Indicators (2 or more required er-Stained Leaves (89) (MLRA 1 A, and 48) nage Patterns (810) Season Water Table (C2) aration Visible on Aerial Imagery amorphic Position (D2) flow Aquitard (D3) E-Neutral Test (D5) sed Ant Mounds (D6) (LRR A)
Type:	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (88) No Depth (inches). No Depth (inches): Wetta	Seconds A Wat Drain Dry Satis (C3) Geo Raid FAC Raid	ary Indicators (2 or more required er-Stained Leaves (B9) (MLRA 1 A, and 4B) nage Patterns (B10) Season Water Table (C2) tration Visible on Aerial Imagery morphic Position (D2) flow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) st-Heave Hummocks (D7)
Type:	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B8) No Depth (inches)	Seconds A Wat Drain Dry Satis (C3) Geo Raid FAC Raid	ary Indicators (2 or more required er-Stained Leaves (B9) (MLRA 1 A, and 4B) nage Patterns (B10) Season Water Table (C2) tration Visible on Aerial Imagery morphic Position (D2) flow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) st-Heave Hummocks (D7)

WETLAND DETER	RMINATION DATA FOR	RM – Western Mol	untains, Valleys, and	Coast Region
Project/Site A22		City/County ()	Maur.	2.18.1r
Applicant/Owner MPVCC	500		State S	
Investigator(s) RMULE	_	Section, Township, Ra		sampling Point. TTTVIII
Landlorm (hillstope terrace, etc.)			convex, none)	# 0
Subregion (LRR) LRA				9-
Soil Map Unit Name COLL	W 1 -2/ 1/I	•	Long.	VA () ()
Are climatic / hydrologic conditions on th		4	NWI classificat	
Are Vegetation Soil or H				
Are Vegetation Soil or F	(esent? Yes No _K
			eeded, explain any answers	•
SUMMARY OF FINDINGS - At	tach site map showing	sampling point i	locations, transects,	important features, etc.
Hydrophytic Vegetation Present?	Yes No X	is the Sampled	d Avina	
Hydric Soil Present?	Yes X No	within a Wetla		No X
Welland Hydrology Present?	Yes No			_ ¹⁰
Remarks				
VEGETATION - Use scientific	names of plants.			
1	Absolute	Dominant Indicator	Dominance Test worksh	neet:
Tree Stralum (Plot size			Number of Dominant Spe	
2			That Are OBL, FACW, or	FAC (A)
3			Total Number of Dominar Species Across All Strata	
4				
		_ = Total Cover	Percent of Dominant Spe- That Are OBL: FACW, or	
Sapling/Shrub Stratum (Plot size				
1			Prevalence Index works Total % Cover of	
3			OBL species	
4		•	FACW species	
5			1	x 3 =
	<u> </u>	_ ≈ Total Cover	FACU species	x 4 =
Herb Stratum (Plot size	⁾ 20	V 1201.	UPL species	x 5 =
D. M. COLOG F	Pr A	N FAT	Column Totals	(A) (B)
THE THEM ?	200 15	FAC	Prevalence Index =	B/A =
D. Carota	5	<u>upu</u>	Hydrophytic Vegetation	Indicators
5 V. hirouta	5	<u>UPL</u>	Dominance Test is >	50%
6 T. Officuonal	<u> </u>	EP'L	Prevalence Index is s	
7				ations' (Provide supporting or on a separate sheet)
8		· ——	Wetland Non-Vascula	
9			Problematic Hydroph	ytic Vegetation (Explain)
10				ind wetland hydrology must
		⇒ Total Cover	be present, unless disturb	ed or problematic
Woody Vine Stratum (Plot size		_		
1			Hydrophytic Vegetation	1
2		-7.4.10	Present? Yes	No <u>X</u>
% Bare Ground in Herb Stratum	<u></u>	_= Total Cover		~
Remarks				

OIL		•		Sampling Point III HC
Profile Description: (Describe	to the depth needed to documen	t the indicator or con	firm the absence of inc	licators.)
Depth Matrix (inches) Color (moist)	Redox Fo		Texture	Remarks
0.8 104pg/	3 104hb/3	7:(
>9 101p6	3 10456	50%.		
Type C=Concentration D=De	epletion, RM=Reduced Matrix, CS=C	overed or Coated San	d Grains. ² Location	: PL=Pore Lining, M=Matrix
Hydric Soil Indicators: (Appl	icable to all LRRs, unless otherwi	se noted.)	indicators to	r Problematic Hydric Solls3:
Histosol (A1)	Sandy Redox (S5)		2 cm Mus	ck (A10) ent Material (TF2)
Histic Epipedon (A2)	Stripped Matrix (S	5) eral (F1) (ex <mark>cept MLR</mark> /		rplain in Remarks)
Black Histic (A3)	Loamy Mucky Min Loamy Glayed Ma			,
 Hydrogen Sulfide (A4) Depleted Below Dark Surfa 			•	
Thick Dark Surface (A12)	Redox Dark Surfa		_	hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Su	rlace (F7)		drology must be present.
Sandy Gleyed Matrix (S4)		16 (F8)	unless dis	turbed or problematic.
Restrictive Layer (if present)				
Туре				
Depth (inches):			Hydric Sell Pres	sent? Yes No
HYDROLOGY			Loserte	
Wetland Hydrology Indicator				
Primary Indicators (minimum C	of one required, check all that apply)			y Indicators (2 or more required)
Surface Water (A1)	Water-Stain-	ed Leaves (B9) (excep		r-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	1, 2, 4A.			i, and 4B)
Saturation (A3)	Salt Crust (E			age Patterns (B10)
Water Marks (B1)		rtebrates (B13)		season Water Table (C2) ation Visible on Aerial Imagery (C9
Sediment Deposits (B2)	Hydrogen S	ulfide Odor (C1)		
Drift Deposits (B3)			g Roots (C3) Geor	ow Aquitard (D3)
Aigal Mat or Crust (B4)		Reduced Iron (C4)		Neutral Test (D5)
Iron Deposits (B5)		Reduction in Tilled Sol Stressed Plants (D1) (L	•	ed Ant Mounds (D6) (LRR A)
Surface Soil Cracks (86)				-Heave Hummocks (D7)
Inundation Visible on Aeri		am iji rsemarka)	, , , , ,	
Sparsely Vegetated Conc	ave Sunace (80)			
Field Observations:	No. Don't une	nes)		74•
Surface Water Present?	Yes No Depth (incl	7511		
Water Table Present?	Yes No Depth (incl	has)	Wetland Hydrology P	resent? Yes No X
Saturation Present? (includes capillary fringe) Describe Recorded Data (stre	eam gauge, monitoring well, serial p			
Remarks				
i				

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region City/County. Clallan Sampling Date IIIB Project/Site ___ State. ____ Sampling Point. ____ Applicant/Owner. investigator(s) ___ Section, Township, Range. _____ Landform (hillstope, terrace, etc.) Local relief (concave, convex, none) ______ Slope (%) ____ Long: _____ Datum. ____ Subregion (LRR). ____ NWI classification. Soil Map Unit Name __ Are climatic / hydrologic conditions on the site typical for this time of year? Yes ______ No_____ (If no, explain in Remarks.) Are Vegetation _____. Soil ______ or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _____ No _k Are Vegetation _____ Soil ____ or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: VEGETATION – Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size _____) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC. Total Number of Dominant Species Across All Strata Percent of Dominant Species ____ = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size _____) Prevalence Index worksheet: Total % Cover of Multiply by OBL species _____ x 1 = ____ FACW species _____ x 2 = ____ FAC species _____ x 3 = _____ = Total Cover UPL species _____ x 5 = ____ Herb Stratum (Plot size Harurculus 200 Column Totals Prevalence Index = B/A = THINOCHOA CRUSGALL Hydrophytic Vegetation Indicators: VICIA hirsuta Dominance Test is >50% 15 L. JULGARC Prevalence Index is \$3.0° 10_ Rifolum 500 ___ Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet) ___ Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. ____= Total Cover Woody Vine Stratum (Plot size _____) Hydrophytic Vegetation Present? = Total Cover % Bare Ground in Herb Stratum ____ Remarks

Profile Description: (Describe to the dep	oth needed to document the indicator or confirm	tile appaired or midicators.
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type Loc²	Texture Remarks
1)-15 Inub313	JOUPS 31	
10.4610	MA44 11	
713 104h012	104/14/1c 30:1-	
Type: C=Concentration, D=Depletion, RM Hydric Soil Indicators: (Applicable to all	=Reduced Matrix, CS=Covered or Coated Sand Gri	ains. Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Solis ³ :
	Sandy Redox (S5)	2 cm Muck (A10)
Histosol (A1) Histic Epipedon (A2)	Sandy Redux (S5) Stripped Matrix (S6)	Red Parent Material (TF2)
Histic Epipeoon (A2) Black Histic (A3)	Losmy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	- American Complement in a section und)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present): Type: Depth (inches):		Hydric Soll Present? Yes No
Restrictive Layer (if present): Type: Depth (inches): Remarks		Hydric Soll Present? Yes No
Restrictive Layer (if present): Type Depth (inches): Remarks YDROLOGY Wetland Hydrology indicators:		
Restrictive Layer (if present): Type Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require		Secondary Indicators (2 or more required)
Restrictive Layer (if present): Type Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1)	Water-Stained Leaves (B9) (except MLF	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1,
Restrictive Layer (if present): Type Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
Restrictive Layer (if present): Type: Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Sait Crust (B11)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10)
Restrictive Layer (if present): Type Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	 Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) 	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1,
Restrictive Layer (if present): Type Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	 Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) 	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1,
Restrictive Layer (if present): Type Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1,
Restrictive Layer (if present): Type: Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1,
Restrictive Layer (if present): Type: Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (C6)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1,
Restrictive Layer (if present): Type: Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)	Secondary Indicators (2 or more required) RA
Restrictive Layer (if present): Type: Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (inches in the content of	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1,
Restrictive Layer (if present): Type: Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (1) Sparsely Vegetated Concave Surface	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Secondary Indicators (2 or more required) RA
Restrictive Layer (if present): Type: Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (inches Sparsely Vegetated Concave Surface Field Observations:	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (C6 Stunted or Stressed Plants (D1) (LRR A B7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) RA
Restrictive Layer (if present): Type: Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (inches the control of the co	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (C6) Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) (B8) No Depth (inches).	Secondary Indicators (2 or more required) RA
Restrictive Layer (if present): Type Depth (inches): Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (inches Sparsely Vegetated Concave Surface Field Observations:	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A B7) Other (Explain in Remarks) (B8) No Depth (inches):	Secondary Indicators (2 or more required) RA

WETLAND DETE	RMINATION DATA FO	RM – Western Mou	intains, Valleys, ar	nd Coast Region
Project/Site FOZ		\sim		Sampling Date III.62
Applicant/Owner. MOUL	80 0			_ Sampling Point
Investigator(s)	0,0	Section, Township, Ra		
Landform (hillslope, ferrace, etc.)	1			
Subregion (LRR).			,	Slope (%)
Soil Map Unit Name				ication.
Are climatic / hydrologic conditions on t				t t
Are Vegetation Soil, or		,	'Normal Circumstances'	present? Yes No <u>K</u>
Are Vegetation Soit or	Hydrology naturally p	if ne	eded, explain any answ	rers in Remarks.)
SUMMARY OF FINDINGS - A	ttach site map showin	g sampling point l	ocations, transect	s, important features, etc
Hydrophytic Vegetation Present?	Yes No X			
Hydric Soil Present?	Yes No X	is the Sampled		V
Wetland Hydrology Present?	Yes No	within a Wetlar	nd? Yes	No <u>X</u>
Remarks:				<u> </u>
<u>-</u>				
	J			
/EGETATION – Use scientific				
Tree Stratum (Plot size	Absolute	e Dominant Indicator <u>r Species? Status</u>	Dominance Test wor	
1			Number of Dominant That Are OBL, FACW	
2	-		Total Number of Dom	
3			Species Across All St	
4		- — 	Percent of Dominant 5	Sheries
Sapling/Shrub Stratum (Plot size		= Total Cover	That Are OBL FACW	
1			Prevalence Index wo	orksheet:
2			Total % Cover of	Multiply by
3			OBL species	x1=
4			FACW species) x2= 30
5			FAC species	<u> </u>
		= Total Cover	FACU species	2 ×4 = <u>20</u>
Hert Stratum (Piot size	idicata in	FAC	UPL species	$\frac{\mathcal{O}}{\mathcal{O}}$ x5: $\frac{1}{2}$
Fide cochion Co	MICAUL 15		Column Totals	$(8) \bigcirc (A) \bigcirc (B)$
1815211 M 501	15	FAC	Prevalence Inde	x = B/A = 3.40
4 VICIA HIPSTITOL	iö	- TOU	Hydrophytic Vegetat	ion Indicators:
J. Officianale	5	- Fra	Dominance Test	s >50%
6 D. CAROTA	5	JPL	Prevalence Index	is ≤3 0¹
, FESTUCA PUBL	9 5	FOC		aptations' (Provide supporting
& Leucanthemus	ywichre 20	D'X UDL	J	ks or on a separate sheet)
9			Wetland Non-Vas	
10	 ,,		I .	ophytic Vegetation (Explain) oil and wetland hydrology must
11				sturbed or problematic.
Miles du Marie Charles (Clark auss	<u>-10</u>	= Total Cover		
Woody Vine Stratum (Plot size1)		Hydrophytic	
2			Vegetation	V
·	. 1	= Total Cover	Present? Y	es No
% Bare Ground in Herb Stratum			<u></u>	
Remarks				

Depth Matrix (inches) Color (moist) %	Redox Features Cotor (moist) % Type Loc²	Texture Remarks
70 100000	<u> </u>	
· · · · · · · · · · · · · · · · · · ·		
11 104/513	1011110 15%	
	M=Reduced Matrix, CS=Covered or Coated and Gra	
ydric Soil Indicators: (Applicable to	•	Indicators for Problematic Hydric Soils':
_ Histosol (A1) Histic Epipedon (A2)	Sandy Redox (S5) Stripped Matrix (S6)	2 cm Muck (A10)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Red Parent Material (TF2) Other (Explain in Remarks)
_ Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
_ Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	•
_ Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
_ Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
_ Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
estrictive Layer (If present):		
Type		
.,		Hydric Soli Present? Yes No
emarks 'DROLOGY		
PROLOGY Setland Hydrology Indicators:		
PROLOGY Setland Hydrology Indicators:	red: check all that apply)	Secondary Indicators (2 or more required)
PROLOGY etland Hydrology Indicators: imany Indicators (minimum of one requi		Secondary Indicators (2 or more required) A Water-Stained Leaves (89) (MLRA 1, 2
PMOLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi	ired: check all that apply) Water-Stained Leaves (B9) (except MLR	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
emarks DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one (equi Surface Water (A1) High Water Table (A2)	red; check all that apply) Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 48)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10)
emarks DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one (equi Surface Water (A1) High Water Table (A2) Saturation (A3)	ired: check all that apply) Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
emarks DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	ired: check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C5)
emarks DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	ired: check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C5)
emarks DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	red: check all that apply) Water-Stained Leaves (B9) (except MLR	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C5) (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
emarks DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algai Mat or Crust (B4)	water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soits (C6) Stunted or Stressed Plants (D1) (LRR A)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Cs) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
emarks 'DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algai Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery	water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soits (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) A Water-Stained Leaves (89) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C5) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
emarks DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algai Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6)	water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soits (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
emarks DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one (equi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetaled Concave Surface	water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soits (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
emarks EDROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algai Mai or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetaled Concave Surface ald Observations:	water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B8)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
emarks DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algai Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetaled Concave Surface and Observations: irface Water Present? Yes	water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
emarks PROLOGY etland Hydrology Indicators: imary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algai Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface elid Observations: irface Water Present? ater Table Present? Sturration Present? induction Present? Sturration Present?	water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C8) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B8) No Depth (Inches):	Secondary Indicators (2 or more required) A
PROLOGY Setiand Hydrology Indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algai Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetaled Concave Surface and Observations: Inface Water Present? Saturation Present? Saturation Present? Secribe Recorded Data (stream gauge)	water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): Wetla	Secondary Indicators (2 or more required) A
PROLOGY Setland Hydrology Indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algai Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetaled Concave Surface and Observations: Inface Water Present? Sturation Present?	water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): Wetla	Secondary Indicators (2 or more required) A

WETLAND DETERMINATION DATA FORM -- Western Mountains, Valleys, and Coast Region Project/Site State. ____ Sampling Point. Applicant/Owner. Section, Township, Range. Local relief (concave, convex, none). Landform (hillslope, terrace, etc.) Slope (%) Subregion (LRR). NWI classification. NWI Soil Map Unit Name Are climatic / hydrotogic conditions on the site typical for this time of year? Yes _____ No_____ (If no, explain in Remarks.) significantly disturbed? Are "Normal Circumstances" present? Yes _ Are Vegetation ... Soil ____ _, or Hydrology ___ Are Vegetation _____. Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks. VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Plot size _____ Number of Dominant Species That Are OBL, FACW, or FAC. Total Number of Dominant Species Across All Strata: Percent of Dominant Species _____ = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size _____) Prevalence index worksheet: Total % Cover of Multiply by OBL species **FACW species** FAC species FACU species = Total Cover UPL species Column Totals Prevalence Index = B/A = Hydrophytic Vegetation Indicators: ★ Dominance Test is >50% Prevalence Index is ≤3.0¹ ___ Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) 'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Total Cover Hydrophytic Vegetation Present? = Total Cover % Bare Ground in Herb Stratum _ Remarks

SOIL		Sampling Point:
Profile Description: (Describe to the	depth needed to document the indicator or co	infirm the absence of indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type' Lo	c ² Texture Remarks
M 12 11 11 11 11 11 11 11 11 11 11 11 11		
ulo lunda.	_ <u> </u>	<u> </u>
	1001446	
राप लाक्स्य	1010-111 2.1.	
Maria -		
	- 100kparo 10 i	
		•
Type: C=Concentration, D=Depletion,	RM=Reduced Matrix, CS=Covered or Coated Sa	nd Grains. ² Location: PL=Pore Lining, M=Matrix.
	o all LRRs, unless otherwise noted.)	indicators for Problematic Hydric Solis ³ :
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLF	RA 1) Other (Explain in Remarks)
_ Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	•
Depleted Below Dark Surface (A11	· — · · · · · ·	And the second of the second o
Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	Redox Dark Surface (F6) Depleted Dark Surface (F7)	Indicators of hydrophytic vegetation and
Sandy Middley Ministra. (31)	Redox Depressions (F8)	wetland hydrology must be present. unless disturbed or problematic.
testrictive Layer (if present):		divisor distribution proprietribute.
Type:		
Depth (inches):	· 	Hydric Soil Present? Yes X No
Remarks		
YDROLOGY Wetland Hydrology Indicators:		
Primary Indicators (minimum of one rec	urired: check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (excep	
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)
_ Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C
Drift Deposits (B3)		g Roots (C3) Geomorphic Position (D2)
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soi	
_ Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (L	
Inundation Visible on Aerial Imager	y (B7) Other (Explain in Remarks)	Frost-Heave Hummocks (D7)
_ Sparsely Vegetated Concave Surfa	ice (B8)	_
ield Observations:		
urface Water Present? Yes	No Depth (inches):	
Vater Table Present? Yes	No Depth (inches):	
		Wetland Hydrology Present? Yes X No
ncludes capillary fringe)		
Describe Recorded Data (stream gauge	e. monitoring well, aerial photos, previous inspecti	ions), if available:
Remarks		

WETLAND DET	ERMINATION E	DATA FORM	l Western Moun	tains, Valleys, an	d Coast Region
Project/Site	=	c	ity/County. CAU	lem .	_ Sampling Date ###
Applicant/Owner. MOL	29700			State.	Sampling Point.
Investigator(s)	NCS_	s	ection. Township, Ran	ge	
Landform (hillslope, terrace, etc.)	0		ocal relief (concave, co	onvex, none)	Slope (%)
Subregion (LRR):		Lat	• .	Long:	Datum:
Soil Map Unit Name					ication.
Are climatic / hydrologic conditions of	on the site typical for	this time of year	17 Yes X No	(If no, explain in	Remarks)
Are Vegetation Soil			isturbed? Are 'N	formal Circumstances*	present? Yes No K
Are Vegetation Soil				ded, explain any answ	
				cetions transact	s important features etc.
SUMMARY OF FINDINGS -	Attach site ma	p snowing	sampling point lo	Cations, transect	s, important leatures, etc.
Hydrophytic Vegetation Present?	Yes X	No	is the Sampled	Area	
Hydric Soil Present?		No	within a Wetiano	v	. No
Wetland Hydrology Present?	Yes	No			
Remarks:					
·					
					
VEGETATION - Use scient	itic names of pi			Dominance Test wo	rke hoat
Tree Stratum (Plot size	}		Dominant Indicator Species? Status	Number of Dominant	
1				That Are OBL, FACW	
2				Total Number of Dom	ninant .
3				Species Across All St	1
4			 :	Percent of Dominant	Species Loo!
			= Total Cover	That Are OBL, FACW	V, or FAC 100 (A/B)
Sapling/Shrub Stratum (Piot size				Prevalence index w	orksheet:
2				Total % Cover of	Multiply by
3				OBL species	x1=
4				FACW species	_
5					$\frac{0}{100}$ $\times^{3} = \frac{20}{400}$
			= Total Cover	FACU species	10 ×4 70
Herb Stratum (Plot size	na scol	: Jo	x FACIL	UPL species	0 x5 = 20 m
ECHILICATION OF	me certa	<u> 10</u>	Facul	Column Totals	30 (A) <u>275</u> (B)
2 44413910	500		FAC	Prevalence Ind	ex = B/A = A.
Pen Culus	200		-tacw	Hydrophytic Vegeta	ation Indicators:
5 DAILCUS CAR	OTE -	5_	TEAUP!	Dominance Test	
6 VIGIA MISSUIT	19	5_	UPL	Prevalence Inde	
7			,	Morphological A	daptations1 (Provide supporting arks or on a separate sheet)
8				Wetland Non-Va	
9					drophytic Vegetation (Explain)
10	· · · · ·			Indicators of hydric	soil and wetland hydrology must
11			Total Course	be present, unless d	isturbed or problematic
Woody Vine Stratum (Plot size)		= Total Cover		
1				Hydrophytic	
2				Vegetation Present?	Yes X No
			_= Total Cover		
% Bare Ground in Herb Stratum				<u> </u>	
Remarks					

SOIL				Sampling Point III PS-
Profile Description: (Describ	to the depth needed to documen	nt the Indicator or co	offen the sheenes of	Sampling Form 1111
Depth Matrix	Redox F		with the species of	indicators.)
(inches) Color (moist)	% Color (maist)		Texture	Remarks
	,			
10-12 154633	1000	10/0		
	100000	7-1		· · · · · · · · · · · · · · · · ·
· · · · · · · · · · · · · · · · · · ·	- —— WYEITHE			
Total Transcata		 ,		<u> </u>
1314 JUMOS	2 10UM4162	<u> 201</u>		
				
1 -				
Type: C=Concentration, D=De	pletion, RM=Reduced Matrix, CS=C	overed or Coated Sa		lon: PL≃Pore Lining, M=Matrix.
	cable to all LRRs, unless otherwin	se noted.)	Indicators	for Problematic Hydric Solls ³ :
Histosol (A1) Histic Epipedon (A2)	Sandy Redox (S5)		2 cm A	Auck (A10)
Black Histic (A3)	Stripped Matrix (S6			arent Material (TF2)
Hydrogen Sulfide (A4)	Loamy Mucky Mine Loamy Gleyed Mat	ral (F1) (except MLR	(A 1) Other	(Explain in Remarks)
Depleted Below Dark Surface	Depleted Matrix (F:			
Thick Dark Surface (A12)	Redox Dark Surfac	•	indicators	of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surf	ace (F7)		hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions	(F8)		disturbed or problematic.
Restrictive Layer (If present):				
Туре				
Depth (inches):			Hydric Soll Pr	resent? Yes (No
Remarks				
HYDROLOGY	· · · · · · · · · · · · · · · · · · ·			
Wetland Hydrology Indicators:				
Primary Indicators (minimum of c	ne required check all that apply)		Seconda	ry indicators (2 or more required)
Surface Water (A1)	Water-Stained	Leaves (89) (except		er-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	1, 2, 4A, an		_	A, and 4B)
Saturation (A3)	Salt Crust (B1)	1)		nage Patterns (B10)
Water Marks (B1)	Aquatic Inverte	brates (B13)		Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfi	de Odor (C1)		ration Visible on Aerial Imagery (C9)
Drift Deposits (B3)		spheres along Living		morphic Position (D2)
Algal Mail or Crust (B4)		educed Iron (C4)	Shall	low Aquitard (D3)
Iron Deposits (B5)		duction in Tilled Soils	(C6) FAC	Neutral Test (D5)
Surface Soil Cracks (86)		ssed Plants (D1) (LR	R A) Rais	ed Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial		in Remarks)	Frost	t-Heave Hummocks (D7)
Sparsely Vegetated Concave	Surface (B8)	 4		
Field Observations:				
	es No Depth (inches			
	esX No Depth (inches			1.4
Saturation Present? Y	es <u>X</u> No Depth (inches	<u> </u>	Vetland Hydrology P	resent? Yes X No
(includes capillary fringe) Describe Recorded Data (stream	gauge, monitoring well, serial photo	B Dravious incosting	ne) if qualitate	
·	23 manual data product	e, p. 44,668 mapechol	iis), ii avallabie.	
Remarks			_	
- #				·

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region City/County Classian Sampling Date 3.18 Project/Site _ Sampling Point. State. Applicant/Owner ___ Section, Township, Range. Investigator(s) Local relief (concave, convex, none) _____ Slope (%) _ Landlorm (hillslope, terrace, etc.). Subregion (LRR). NWI classification. _ Soil Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks) Are "Normal Circumstances" present? Yes _____ No _ significantly disturbed? Are Vegetation _____. Soil _____, or Hydrology ___ (If needed, explain any answers in Remarks.) Are Vegetation _____ Soil _____ or Hydrology _____ naturally problematic? SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area No within a Wetland? Hydric Soil Present? Wetland Hydrology Present? Remarks. VEGETATION - Use scientific names of plants. Dominance Test worksheet: Absolute Dominant Indicator % Cover Species? Status Number of Dominant Species Tree Stratum (Plot size _____) That Are OBL FACW or FAC. Total Number of Dominant (B) Species Across All Strata Percent of Dominant Species ____ = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence Index worksheet: Total % Cover of Multiply by OBL species **FACW** species FAC species FACU species = Total Cover UPL species Herb Stratum (Piot size Column Totals Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is \$3.01 _- Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. = Total Cover Woody Vine Stratum (Plot size _____) Hydrophytic Vegetation Present? = Total Cover % Bare Ground in Herb Stratum _

Remarks

SOIL			Sampling Point:
Profile Description: (Describe to	the depth needed to document the indica	tor or confirm the absence	of indicators.)
DepthMatrix	Redox Features		
(inches) Cotor (moist)	% Color (moist) % Typ	e Loc Texture	Remarks
10-8 $1000000000000000000000000000000000000$	101/64110 7·1·		(PG (DAM)
			
रव क्रास्ट्रक	- replaction of the	 1	10000000
10 104rtya		ਹਾਂ	WHITCHA
			•
			:
		 	
1			
	etion, RM=Reduced Matrix, CS=Covered or C		cation: PL=Pore Lining, M=Matrix.
	ble to all LRRs, unless otherwise noted.)		ors for Problematic Hydric Solis ¹ :
Histosol (A1) Histic Epipedon (A2)	Sandy Redox (S5) Stripped Matrix (S6)		n Muck (A10)
Black Histic (A3)	Stripped Mainx (Sd) Loamy Mucky Mineral (F1) (ex		Parent Material (TF2)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	CAPTION OF	er (Explain in Remarks)
Depleted Below Dark Surface			•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	³ Indicate	ors of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)		and hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)		se disturbed or problematic.
Restrictive Layer (If present):			
Туре	<u> </u>		
Depth (inches):		Hydric Sol	Present? Yes No
Remarks			
HYDROLOGY Wetland Hydrology Indicators:			
• •	a sample of sharp of the sample	A	
Primary Indicators (minimum of on			ndary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (8)) (except MLRA \	Vater-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	1, 2, 4A, and 4B)	_	4A, and 4B)
Saturation (A3)	Salt Crust (B11)		Orainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (81:	-	Ory-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C	· · · · · · · · · · · · · · · · · · ·	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)		ong Living Roots (C3) (
Algal Mal or Crust (B4) Iron Deposits (B5)	Presence of Reduced Iron	• •	Shallow Aquitard (D3)
Surface Soil Cracks (B6)	Recent Iron Reduction in Stunted or Stressed Plant	<u>-</u> .	AC-Neutral Test (D5)
Inundation Visible on Aerial Im		· · · · · · · —	Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave		- '	TOSI-HEAVE HUNINOCKS (D7)
Field Observations:	- Consider (Bo)		
Surface Water Present? Ye	a Na Danth (mahaa):		
	s No Depth (inches): Depth (inches):		
			
Saturation Present? Ye (includes capillary fringe)	s No Depth (inches):	Wetland Hydrolog	y Present? Yes K No
	gauge, monitoring well, aerial photos, previou	s inspections), if available:	
Remarks	· · · · · · · · · · · · · · · · · · ·		

STAPLE POINTS

WEILAND DETERMINATION DAT	ra form -	Western Mo	ountains, Valleys, and Coast Region
Project/Site A AZ	Cnv/	County (1	allam Sampling Date 3.19.1
Applicant/Owner		- <u> </u>	
Investigator(s)	Secti	IOD. Township I	State Sampling Point
Landform (hillstope Terrace, etc.)			e. convex, none) Slope (%) 5 (
Subregion (LRR)	Lat	•	,
Soil Map Unit Name BOLLLOANON	0(12	1	LongDatum
Are climatic / hydrologic conditions on the site typical for this t	time of year?		NWI classification.
Are Vegetation Soil or Hydrology sig	ALEXANDER OF THE PARTY OF THE P		(If no, explain in Remarks)
Are Vegetation Soil or Hydrology nat			e "Normal Circumstances" present? Yes No No
		•	
SUMMARY OF FINDINGS - Attach site map si	nowing san	npling point	l locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No.		is the Samul	
Hydric Soil Present? Yes No		is the Sample within a Weti	. .
Wetland Hydrology Present? Yes X No		Within a Fresh	and? Yes X No
Remarks AG BIONISS high	Les.	dong	0.3 oneon
11.1 6 6 6 6 1 1	dor	_	N'S Whowado L'o
VEGETATION - Use scientific names of plants			LIS. SITTIM COURCE
		ninant Indicator	The state of the s
Tree Stratum (Plot size)	% Cover Sper	cies? Status	Dominance Test worksheet: Number of Dominant Species
1			That Are OBL, FACW, or FAC. (A)
2			Total Number of Dominant
3			Species Across All Strala (8)
	= Toi	Ini Count	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size)		iai Cover	That Are OBL FACW, or FAC (A/B)
1			Prevalence index worksheet:
2			Total % Cover of Multiply by
3			OBL species x1=
4			FACW species x 2 =
·	= Tot	tal Cover	FAC species x 3 = FACU species x 4 =
Help Stand tho site			UPL species x 5 =
Hollus Willus	<u> </u>	- HPC	Column Tolais (A) (B)
Harurulus app.	<u> </u>	<u>-toa</u>	ψ
3			Prevalence Index = B/A =
4		- -	Hydrophytic Vegetation Indicators:
5			Dominance Test is >50% Prevalence Index is ≤3.0'
6			Morphological Adaptations' (Provide supporting
8			data in Remarks or on a-separate sheet)
9			Welland Non-Vascular Plants
10			Problematic Hydrophytic Vegetation (Explain)
11			'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	Tola	i Cover	as present, unless distorbed of problematic.
Woody Vine Stratum (Plot size)			
1			Hydrophytic Vegetation
2	= Tola		Present? Yes No
% Bare Ground in Herb Stratum	= 10¦8	ıı Cover	
Remarks			

SOIL	<u> </u>	Sampling Point:	
	depth needed to document the indicator or confirm	the absence of indicators.)	
Depth Matrix (inches) Color (moist) %	Redox Features Color (moist) % Type Loc²	Texture Remarks	
1			
1774 1016312	- NORTO 71:		
	15/2/2/27		
	- HUM 10 - 2		
	_ 1040010 00 ·		
Type. C=Concentration, D=Depletion,	RM=Reduced Matrix. CS=Covered or Coaled Sand Gr		
Hydric Soil Indicators: (Applicable to	•	Indicators for Problematic Hydric Soils':	
Histosol (A1) Histic Epipedon (A2)	Sandy Redox (S5) Stripped Matrix (S6)	2 cm Muck (A10)	
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Red Parent Material (TF2)	
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)	
Depleted Below Dark Surface (A11)			
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)		
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)		
Restrictive Layer (if present):			
Type:			
		l u	
Depth (inches):		Hydric Soll Present? Yes No	
Depth (inches):		Hydric Soll Present? Yes No	
Depth (inches).			
Depth (inches).			
Depth (inches). temarks /DROLOGY			
Depth (inches). Remarks YDROLOGY Vetland Hydrology Indicators:			
Depth (inches). Itemarks YDROLOGY Vetland Hydrology Indicators:		Secondary Indicators (2 or more required)	
Depth (inches). TOROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one requ	ured check all that apply)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1,	
Depth (inches). TOROLOGY Vetland Hydrology Indicators: timary Indicators (minimum of one requirements)	ured_check all that apply) Water-Stained Leaves (89) (except MLR	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)	
Depth (inches). Temarks TOROLOGY Vetland Hydrology Indicators: Timary Indicators (minimum of one requirement of the control of the contro	ured_check all that apply) Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10)	
Depth (inches). Temarks TOROLOGY Tetland Hydrology Indicators: Timary Indicators (minimum of one requirement of the properties) Surface Water (A1) High Water Table (A2) Saturation (A3)	ured_check all that apply) Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1,	
Depth (inches). Itemarks IDROLOGY Idetiand Hydrology Indicators: Imary Indicators (minimum of one requirement indicators (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	ured_check_all_that_apply} Water-Stained Leaves (89) (except MLR	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (
Depth (inches). Itemarks IDROLOGY Idetland Hydrology Indicators: Immary Indicators (minimum of one requestrated water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	ured_check all that apply) Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (
Depth (inches). Pemarks Port of the property	water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1,	
Depth (inches). remarks /DROLOGY /etland Hydrology Indicators: //mary indicators (minimum of one requestration of the property of the prop	water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6) Stunted or Stressed Plants (D1) (LRR A)	Secondary Indicators (2 or more required) A Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ((C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)	
Depth (inches). emarks /DROLOGY (etland Hydrology Indicators: timary Indicators (minimum of one requisions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Slunted or Stressed Plants (D1) (LRR A) (87) Other (Explain in Remarks)	Secondary Indicators (2 or more required A Water-Stained Leaves (B9) (MLRA 1	
Depth (inches). Temarks TOROLOGY Tetland Hydrology Indicators: Timary Indicators (minimum of one requestrated by the second of the second	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Slunted or Stressed Plants (D1) (LRR A) (87) Other (Explain in Remarks)	Secondary Indicators (2 or more required) A	
Pepth (inches). Temarks TOROLOGY Vetland Hydrology Indicators: Imary Indicators (minimum of one requestrated by the second of the second o	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Slunted or Stressed Plants (D1) (LRR A) (87) Other (Explain in Remarks)	Secondary Indicators (2 or more required) A	
Depth (inches). Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requestry Indicators (innimum of one requestry Indicators). Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Iteld Observations:	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Slunted or Stressed Plants (D1) (LRR A) (87) Other (Explain in Remarks)	Secondary Indicators (2 or more required) (A Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Ca) Secondary Indicator (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)	
Depth (inches). Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requisions) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Idel Observations:	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6) Siunted or Stressed Plants (D1) (LRR A) (87) Other (Explain in Remarks) e (88)	Secondary Indicators (2 or more required) (A Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Ca) Secondary Indicator (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)	

(includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available

Remarks

WETLAND DETER	RMINATION DATA FOR	RM – Western Mou	intains, V <mark>alleys,</mark> an	d Coast Region	
Project/Site P27		^	llan.		·19.1
Applicant/Owner	<u> </u>		State		23
Investigator(s)	us		inge		 _
()				
Subregion (LRR)					
Soil Map Unit Name					
Are climatic / hydrologic conditions on th		ı <i>)</i>	(If no, explain in F		
Are Vegetation Soil, or h			"Normal Circumstances"		v
Are Vegetation Soil or F	(eded, explain any answe		NO K
SUMMARY OF FINDINGS - At	tach site map showing	g sampling point i	ocations, transects	i, important featur	res, etc
Hydrophytic Vegetation Present? Hydric Soil Present? Welland Hydrology Present? Remarks.	Yes No No Yes No No No	is the Sampled within a Wetlar		No	
VEGETATION - Use scientific Tree Stratum (Plot size	names of plants. Absolute Cover	Dominant Indicator Species? Status	Dominance Test work Number of Dominant S That Are OBL FACW.	isheet:	(A)
3			Total Number of Domin Species Across All Stra Percent of Dominant S That Are OBL FACW.	pecies Ja	(B) /- (A/B)
Sapling/Shrub Stratum (Plot size.	•		Prevalence Index wor	L-L	
3			Total % Cover of		
3			OBL species		
4			FACW species		
5			FAC species	x 3 =	
		_ = Total Cover	FACU species	x 4 =	
Herp Stratum (Plot size 1 D. Olomerata 2 testuca rubr	10 AO	L FOCU	UPL species Column Totals Prevalence index		
3 three center		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Hydrophytic Vegetati		
HUDONOCICIS Y	radicate 10	FHC.	Dominance Test is		
6 Philium prate	ner 5	HIY'L	Prevalence Index i	s ≤3 0'	
, Rumek Cersp	us 5	FACI		ptations ¹ (Provide supp s or on a separate shee	
8			Welland Non-Vasc	cular Plants	
9			Problematic Hydro	phytic Vegetation (Exp	plain)
11			'indicators of hydric so be present, unless dist	il and wetland hydrolog urbed or problematic.	jy musl
Manda Man Bankan (Blat 172)		_= Total Cover	<u> </u>		
Woody Vine Stratum (Plot size			Hydrophytic		
			Vonetation	V	
-		= Total Cover	Present? Ye	es <u>X</u> No	-
% Bare Ground in Herb Stratum Remarks				- 	

c	a	ı	
0	u	П	ᆫ

Sampling Point:

Profile Description: (Describe to the dep	th needed to document the indicator or conf	firm the absence of indicators.)
Depth Matrix	Redox Features	·
(inches) Color (moist) %	Color (moist) % Type Loc2	Texture Remarks
12.1.		
11-15 1110000	(JUPH)(0 7%	(LOUL BOOM
\(\frac{1}{2}\)		
		
		
		
	=Reduced Matrix, CS=Covered or Coated Sand	
Hydric Soil Indicators: (Applicable to ali		indicators for Problematic Hydric Solis ³ :
Histosof (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3) Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1) (except MLRA Loamy Gleyed Matrix (F2)	(1) Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	D . 1	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present):		
Туре:		
Depth (inches).		Hydric Soil Present? Yes No
Remarks	The state of the s	
HYDROLOGY Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required	check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (89) (except #	MLRA Water-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Oxidized Rhizospheres along Living F	Roots (C3) Geomorphic Position (D2)
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (85)	Recent Iron Reduction in Tilled Soils	- · · · · · · · · · · · · · · · · · · ·
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRF	R A) Raised Ant Mounds (D6) (LRR A)
	7) Other (Explain in Remarks)	Frost-Heave Hummocks (D7)
Inundation Visible on Aerial Imagery (B)		
Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (i		
Sparsely Vegetated Concave Surface (i Field Observations: Surface Water Present? Yes	B8) No Depth (inches)	
Sparsely Vegetated Concave Surface (in Field Observations: Surface Water Present? Yes	B8)	
Sparsely Vegetated Concave Surface (i Field Observations: Surface Water Present? Water Table Present? Yes Yes	No Depth (inches). No Depth (inches):	/etland Hydrology Present? Yes 🟃 No
Sparsely Vegetated Concave Surface (i Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	No Depth (inches). No Depth (inches): W	
Sparsely Vegetated Concave Surface (i Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	No Depth (inches). No Depth (inches):	
Sparsely Vegetated Concave Surface (i Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches). No Depth (inches): W	
Sparsely Vegetated Concave Surface (i Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	No Depth (inches). No Depth (inches): W	
Sparsely Vegetated Concave Surface (i Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches). No Depth (inches): W	
Sparsely Vegetated Concave Surface (i Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches). No Depth (inches): W	
Sparsely Vegetated Concave Surface (i Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches). No Depth (inches): W	

WETLAND DETE	RMINATION D	AIA FURM -	ALESTELLI MOR	ntains, Valleys, and Coast Region
Project/Sile A2Z		Citv/	County CLA	Manual Sampling Date 93
Applicant/Owner	115090			State Sampling Point 3.19
nvestigator(s)	NO			nge
-	/ \			convex, none) Slope (%)
				Long. Datum
=				
oil Map Unit Name			V	NWI classification
ire climatic / hydrologic conditions on t				
re Vegetation Soil, or				Normal Circumstances" present? Yes No _K
re Vegetation Soil or	Hydrology	naturally problem	ialic ⁷ (if ne	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - A	Attach site map	showing sai	mpling point is	ocations, transects, important features, et
	Yes X	***		
Hydrophytic Vegetation Present?		No	is the Sampled	
Hydric Soil Present? Wetland Hydrology Present?	١ ٨ ٠	No	within a Wetlar	nd? Yes No
Remarks				
/EGETATION – Use scientific	c names of pla	nts.		
and the second of the second o		_	minant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size		-	ecies? Status	Number of Dominant Species That Are OBL, FACW, or FAC. (A)
1				
3				Total Number of Dominant Species Across All Strala (B)
4				Percent of Dominant Species
		= T	otal Cover	That Are OBL FACW, or FAC
Sapling/Shrub Stratum (Plot size				Prevalence Index worksheet:
1				Total % Cover of Multiply by
3				OBL species x 1 =
4				FACW species x 2 =
5.				FAC species x 3 =
		= = 1	Total Cover	FACU species x 4 =
Herb Stratum (Plot size	. (1)	~~	x Far	UPL species x 5 =
TISTUCA CUDE	VO CALA		V PACI	Column Totals(A)(6
2 4 20 10 10	NUMBER		V FAC	Prevalence Index = B/A =
3+31115 111111	500	- 15	FACU	Hydrophytic Vegetation indicators:
Topologica	frio VII	<u> </u>	FAC	Dominance Test is >50%
Tea Column	700	<u>ਰ</u>	FAC	Prevalence Index is ≤3.01
				Morphological Adaptations' (Provide supporting
7				data in Romarke or on a senarate sheet)
7				data in Remarks or on a separate sheet)
				data in Remarks or on a separate sheet) Wetland Non-Vascular Plants
8				data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology mus
9				data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain)
8 9 10			'otal Cover	data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology mus
8 9 10 11 Woody Vine Stratum (Plot size			otal Cover	data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic
8 9 10			otal Cover	data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Hydrophytic Vegetation
9 10 11 Woody Vine Stratum (Plot size				data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Hydrophytic

2	\cap	ı
a	•	_

Sampling Point: 43

Profile Description: (Describe to the deg	th needed to document the indicator or confin	m the absence of Indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type Loc2	Texture Remarks
. 1	3.4	
הגע ומשאו	MAHIO ISI.	
Diff worldes	104 110	· ——-
——————————————————————————————————————		-
>14 1DWh413	1001/1110 301	Clau
		
		· —— -—-
		i
<u> </u>		
	=Reduced Matrix, CS=Covered or Coated Sand G	
Hydric Soll Indicators: (Applicable to all		indicators for Problematic Hydric Solis ³ :
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1	Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	harden et al. de la company
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present.
Restrictive Layer (If present):	Redux Depressions (re)	unless disturbed or problematic.
* * ,		
Type:		V
Depth (inches):		Hydric Soil Present? Yes No No
HYDROLOGY Wetland Hydrology Indicators:		
Primary Indicators (minimum of one require	d check all that soniu)	Sceenday Indianters (3 or more required)
		Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (except Mt	
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Waler Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Oxidized Rhizospheres along Living Ro	pots (C3) Geomorphic Position (D2)
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (85)	Recent Iron Reduction in Titled Soits (C	· · · · · · · · · · · · · · · · · · ·
Surface Soil Cracks (86)	Stunted or Stressed Plants (D1) (LRR	
Inundation Visible on Aerial Imagery (8		Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (B8)	
Field Observations:		
Surface Water Present? Yes	No Depth (inches)	
Water Table Present? Yes X	No Depth (inches):	٧.
Saturation Present? Yes X	No Depth (inches): We	tland Hydrology Present? Yes X No
(includes capillary fringe)		maint in an oragin i oragini i too in the contraction in the contracti
	onitoring well, aerial photos, previous inspections), if available.
Occasion		
Remarks		